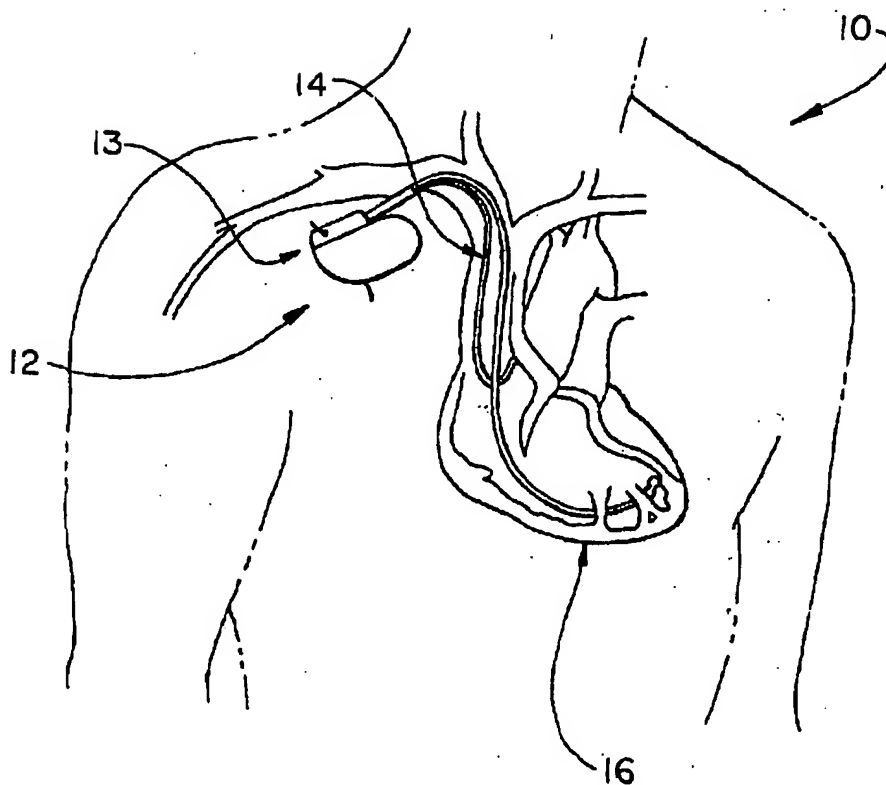


Fig. 1



20070922.024902

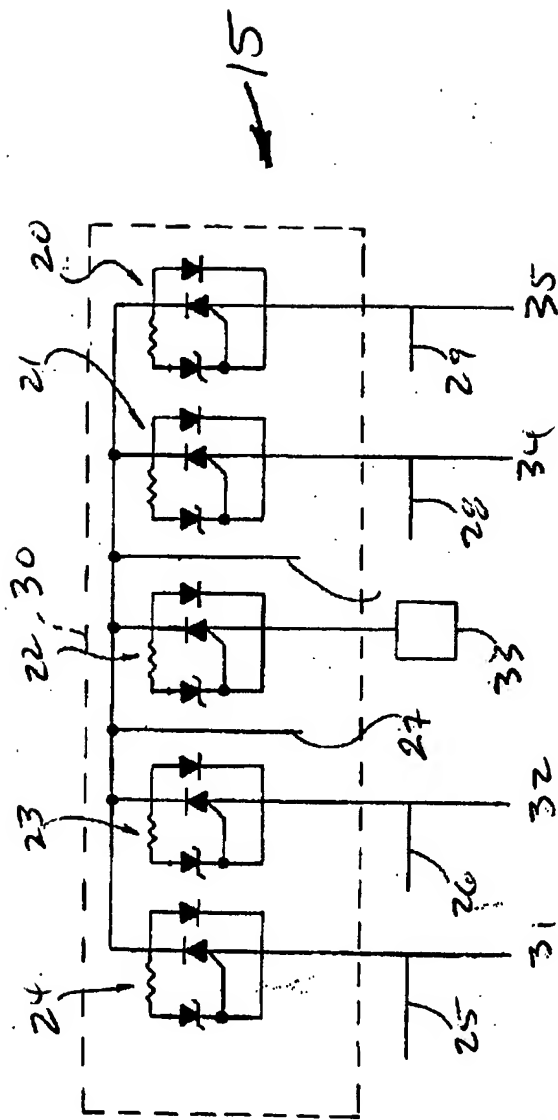


Fig. 2

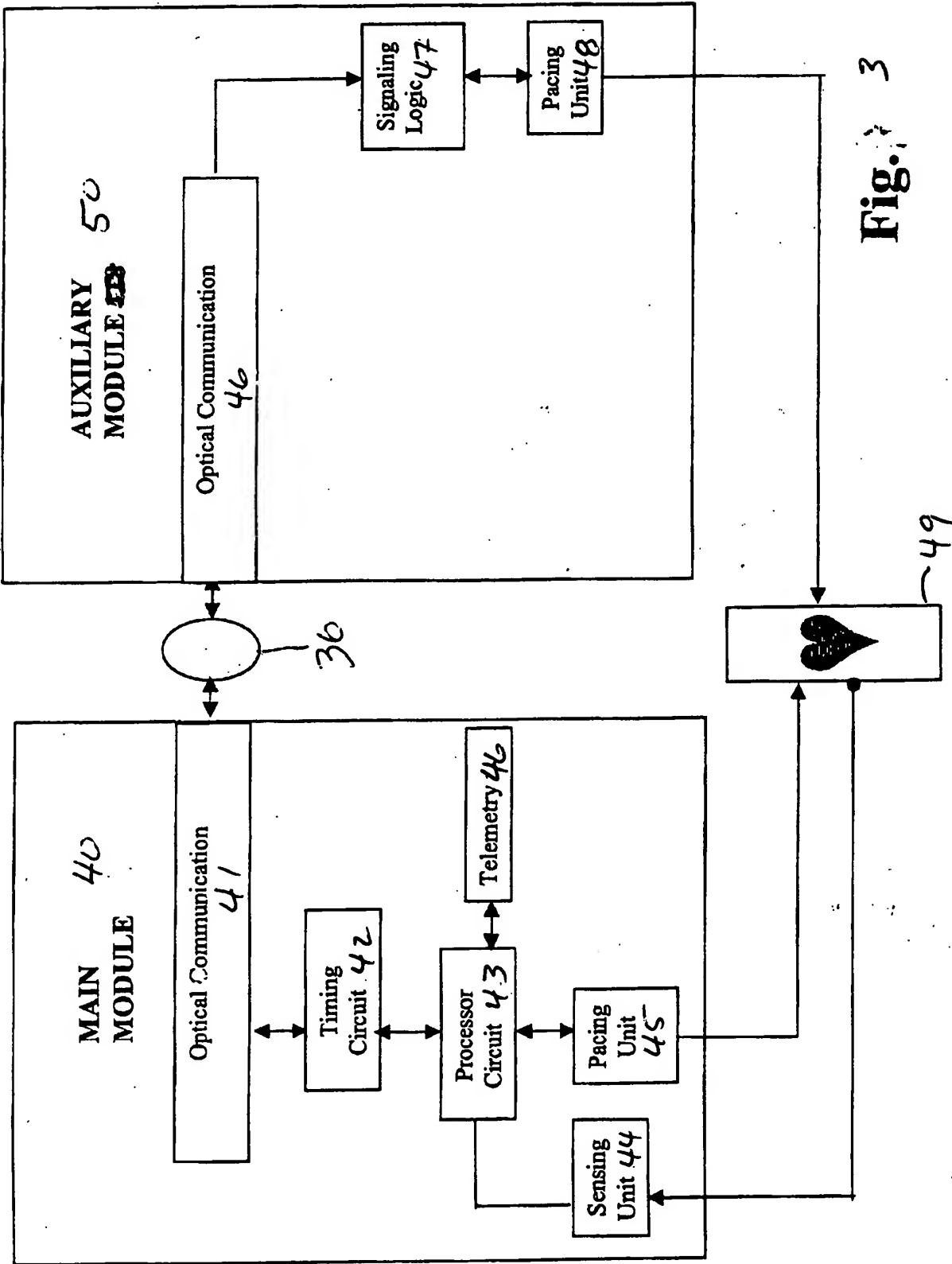


Fig. 3

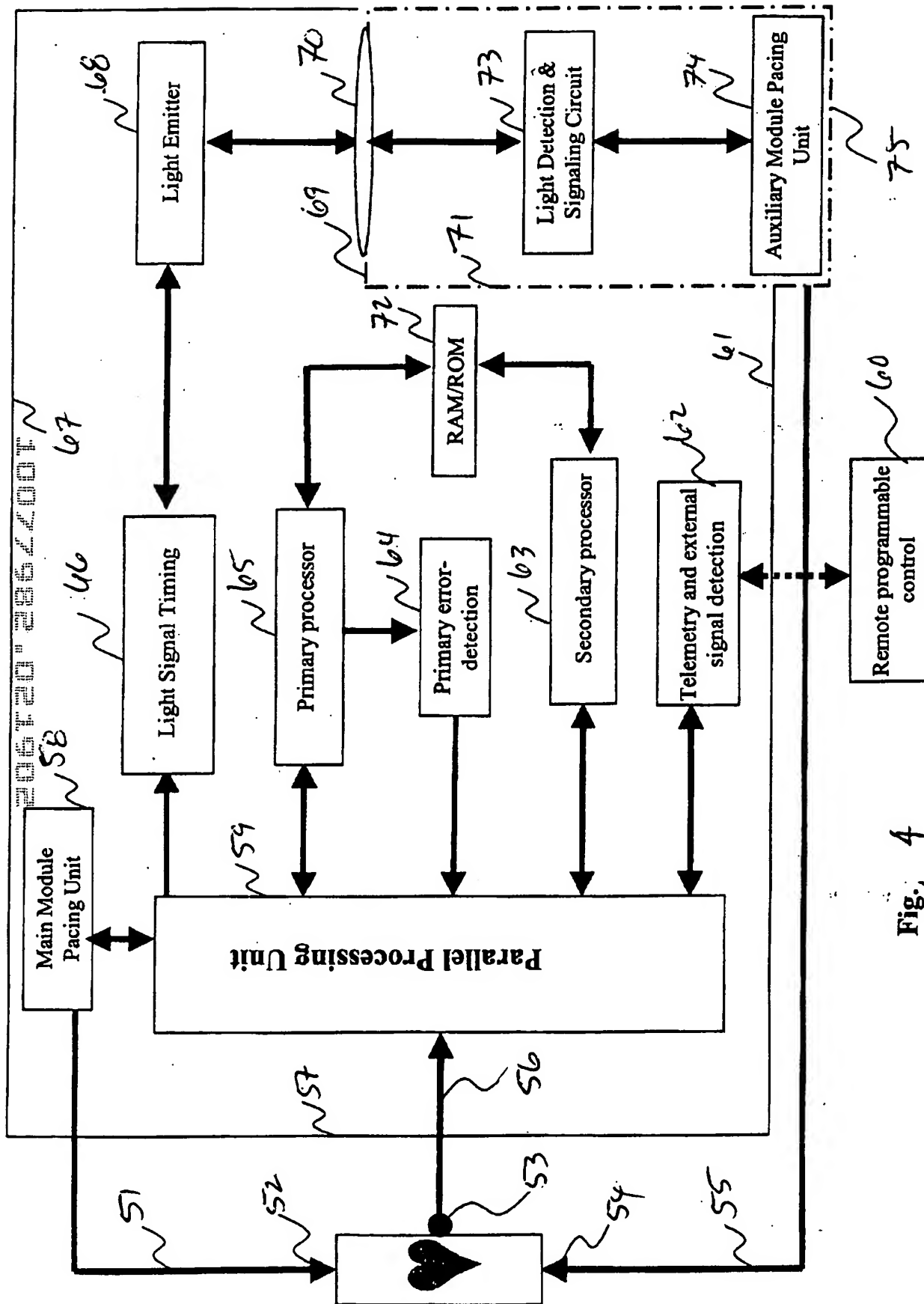


Fig. 4

570

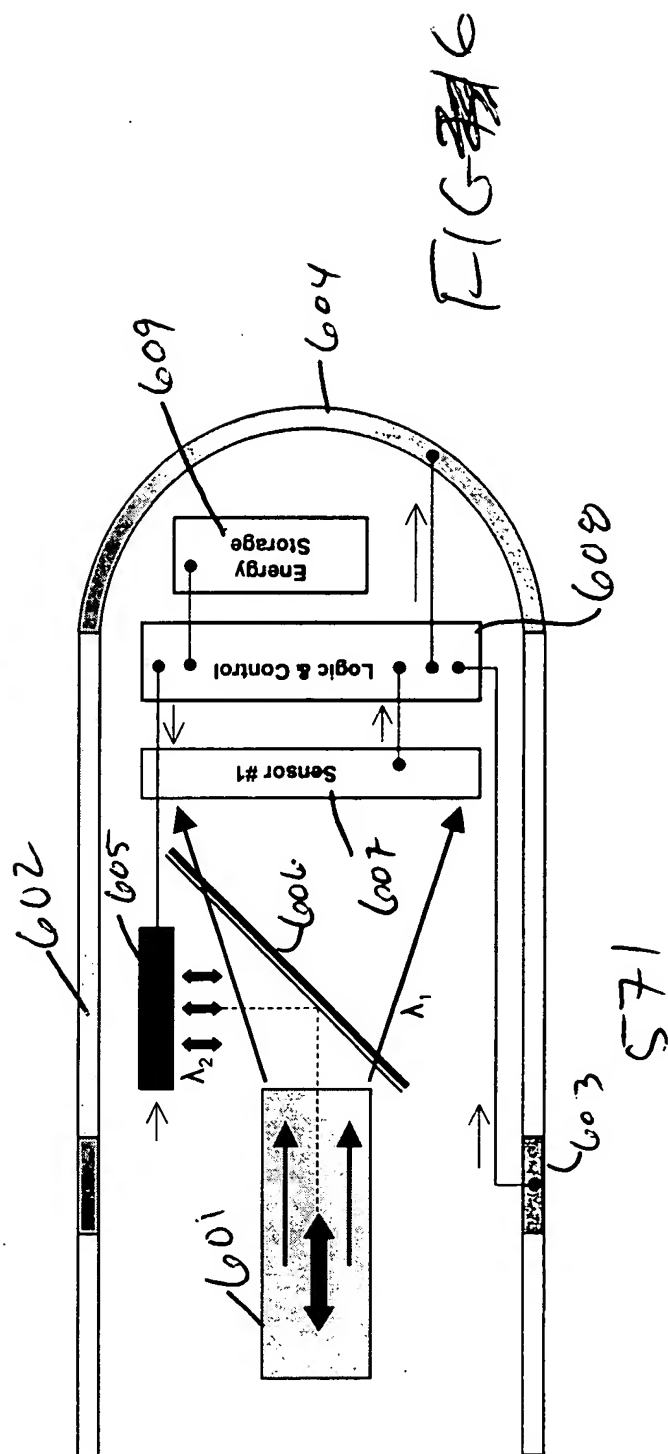
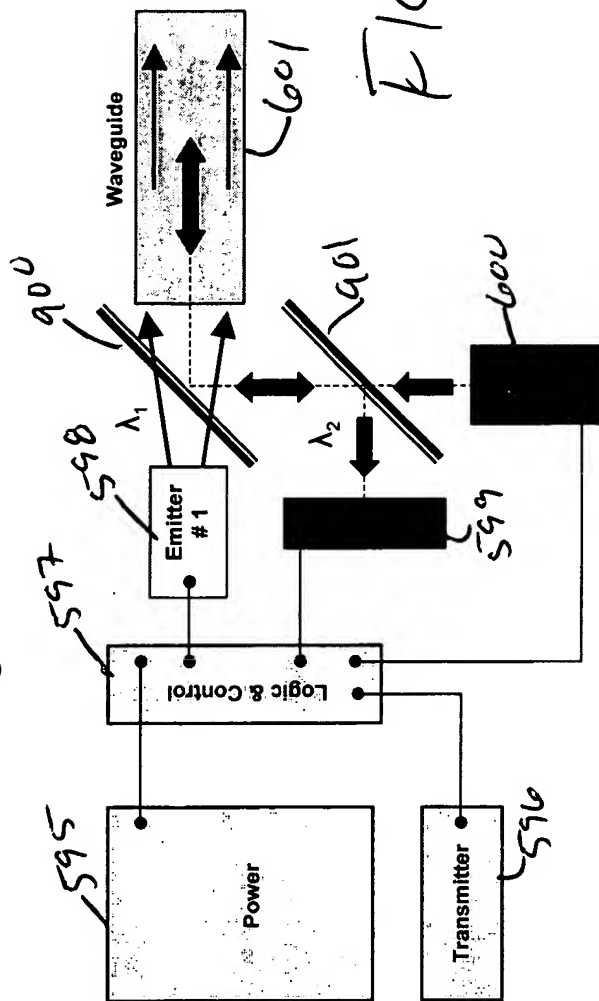


FIG 7

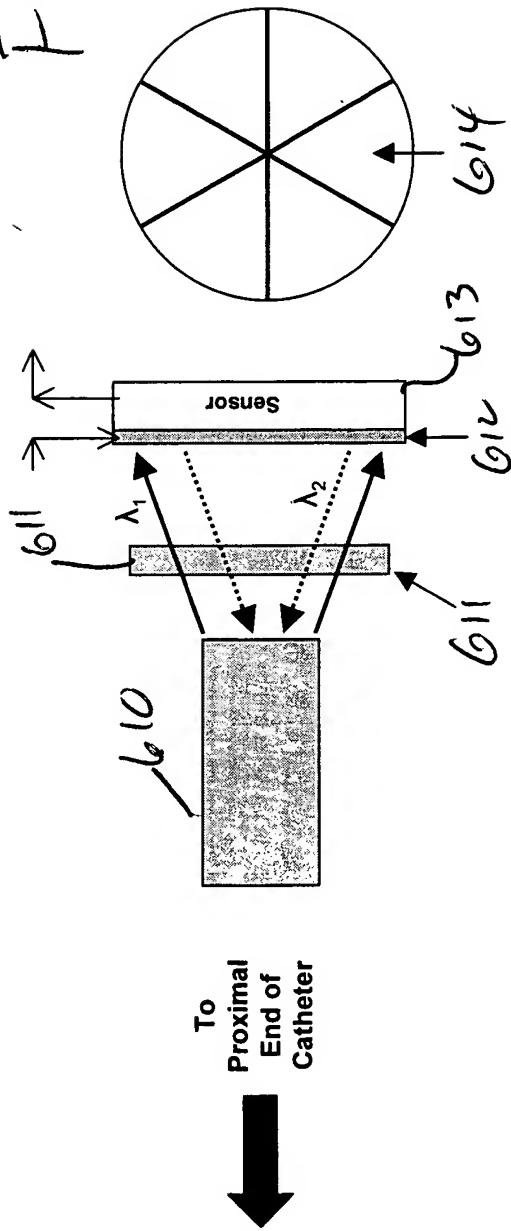
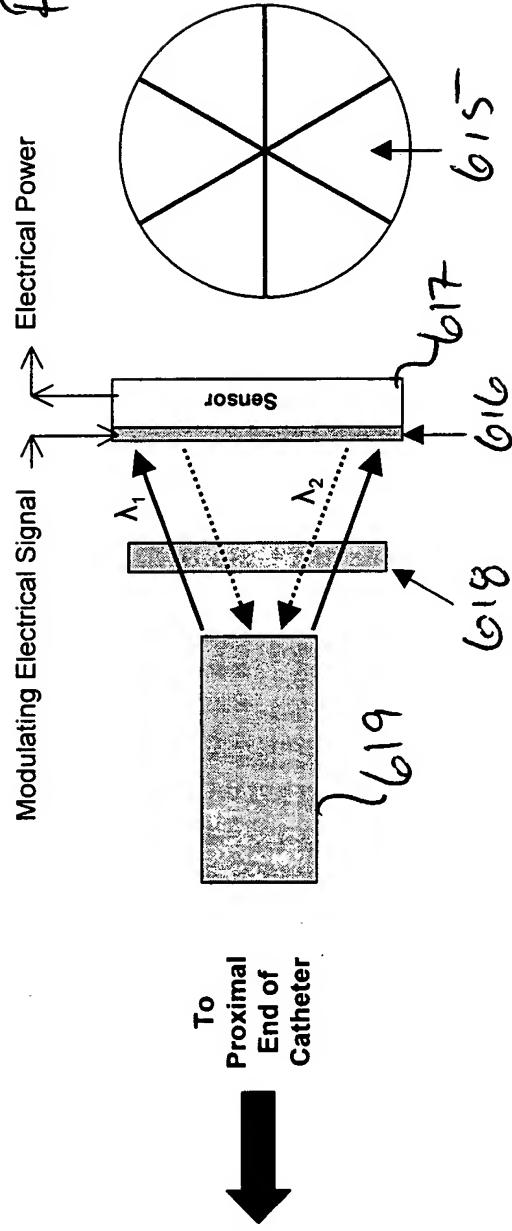


FIG 8



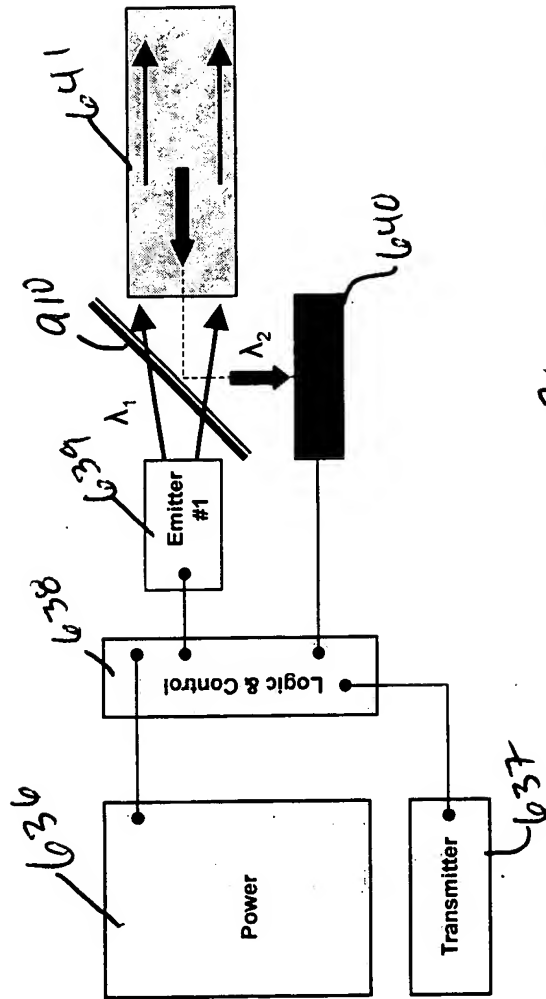


FIG 11

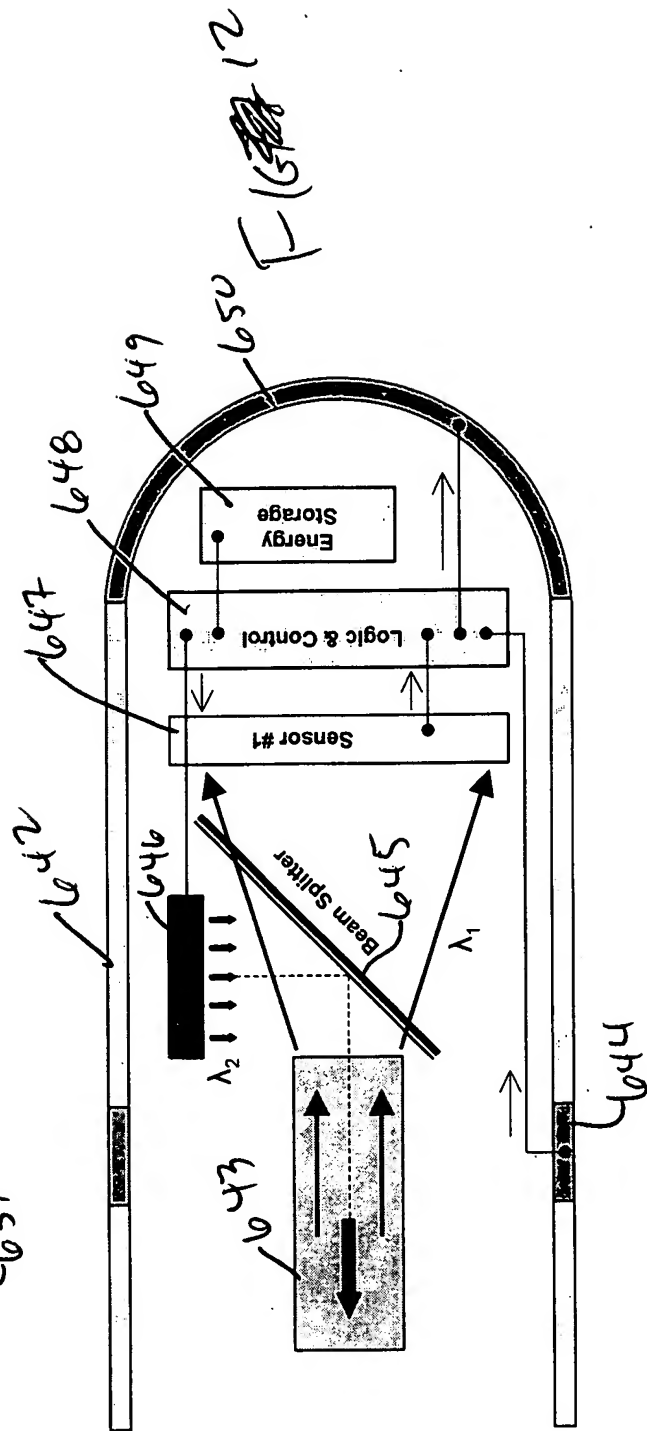
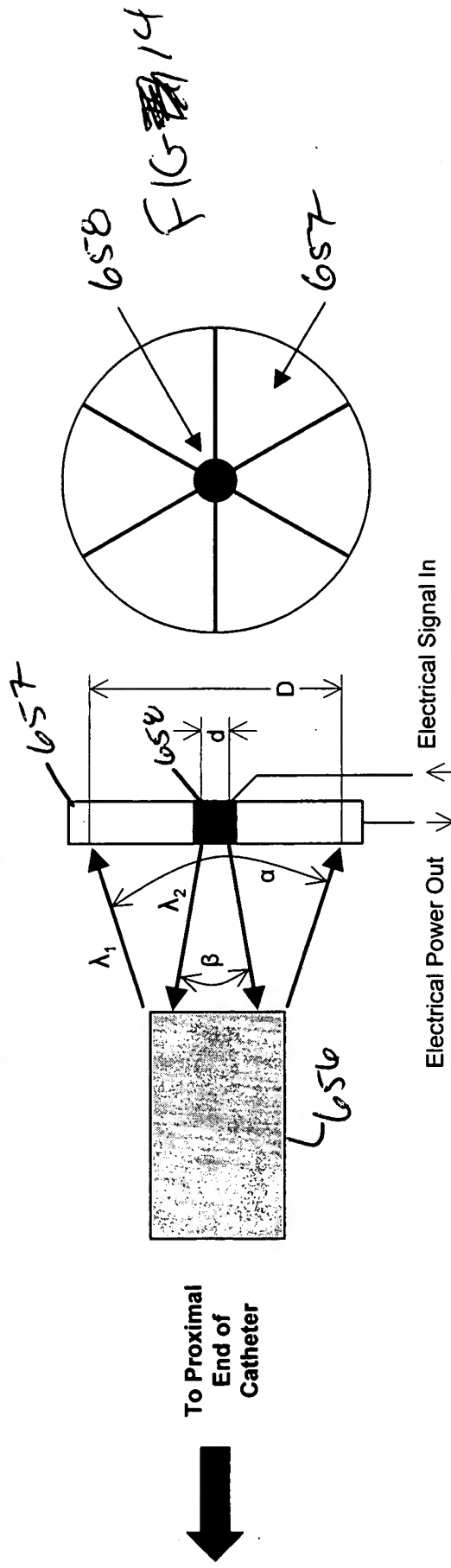
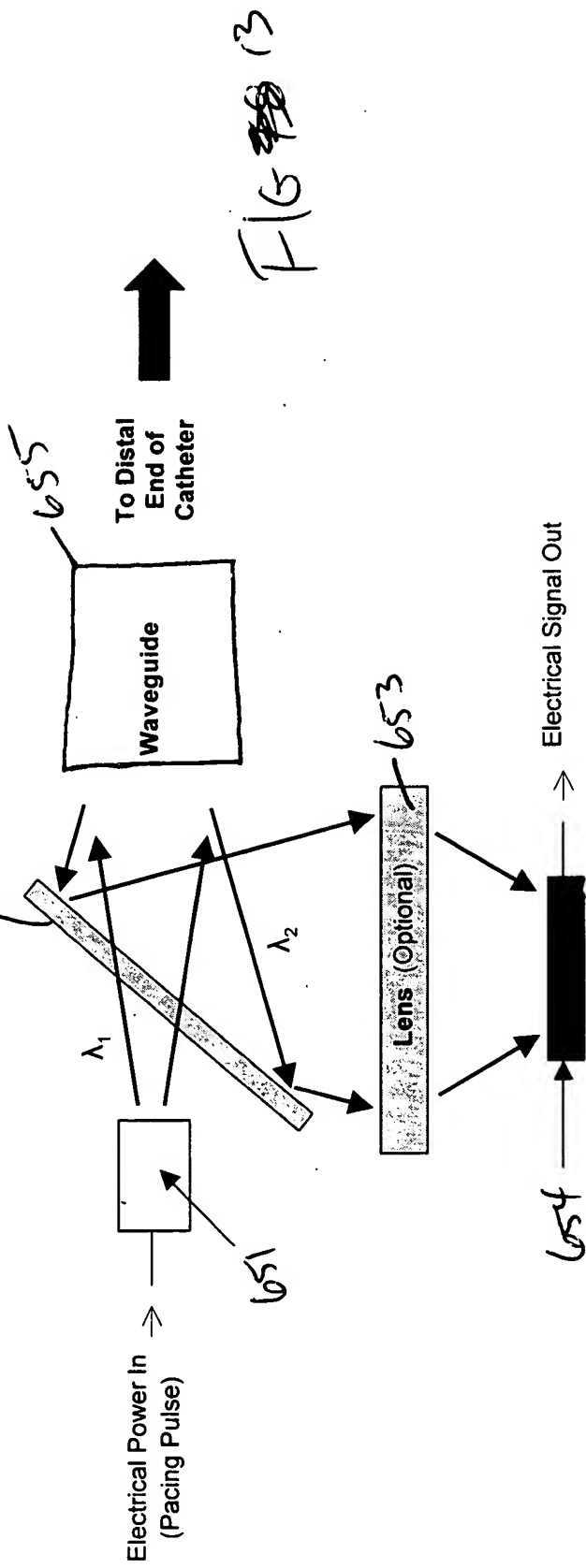


FIG 12

205120 282200T



Electrical Power In ↓ ↑ Electrical Signal Out

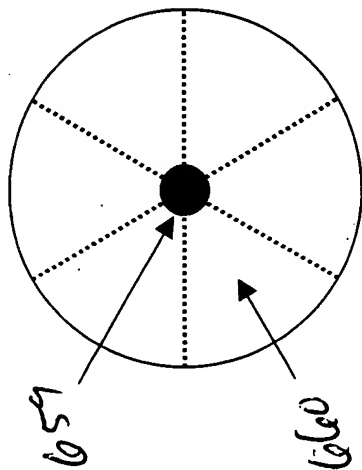


FIG. 15

To Distal
End of
Catheter

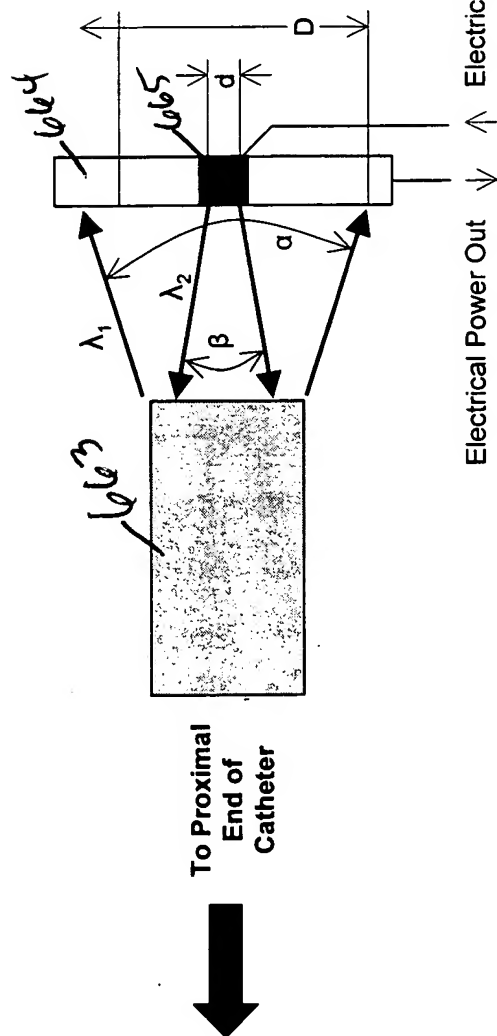
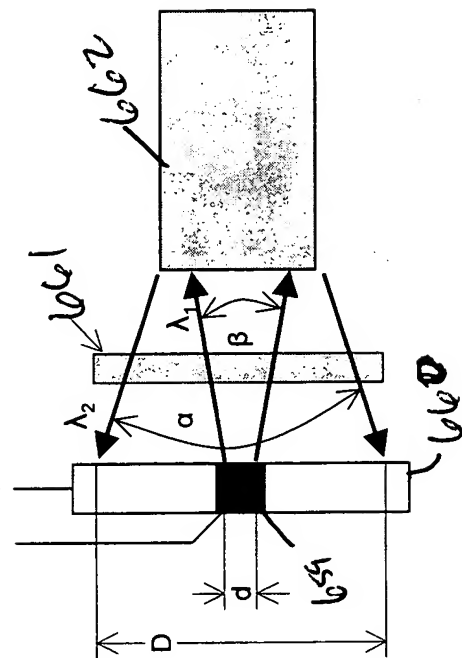
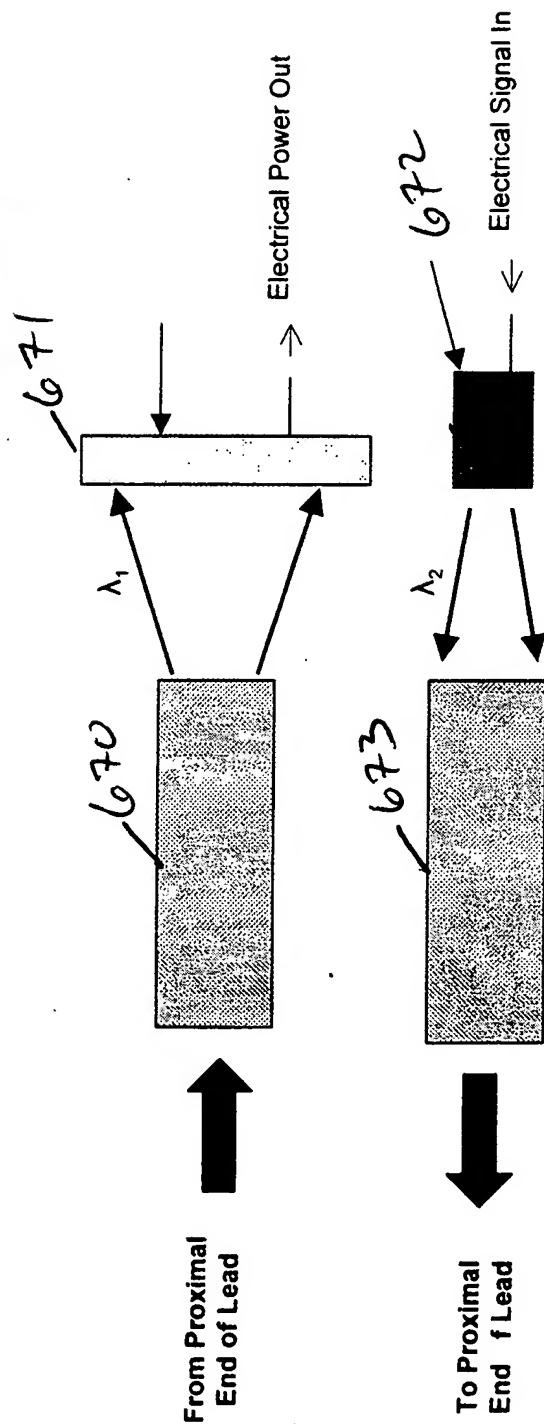
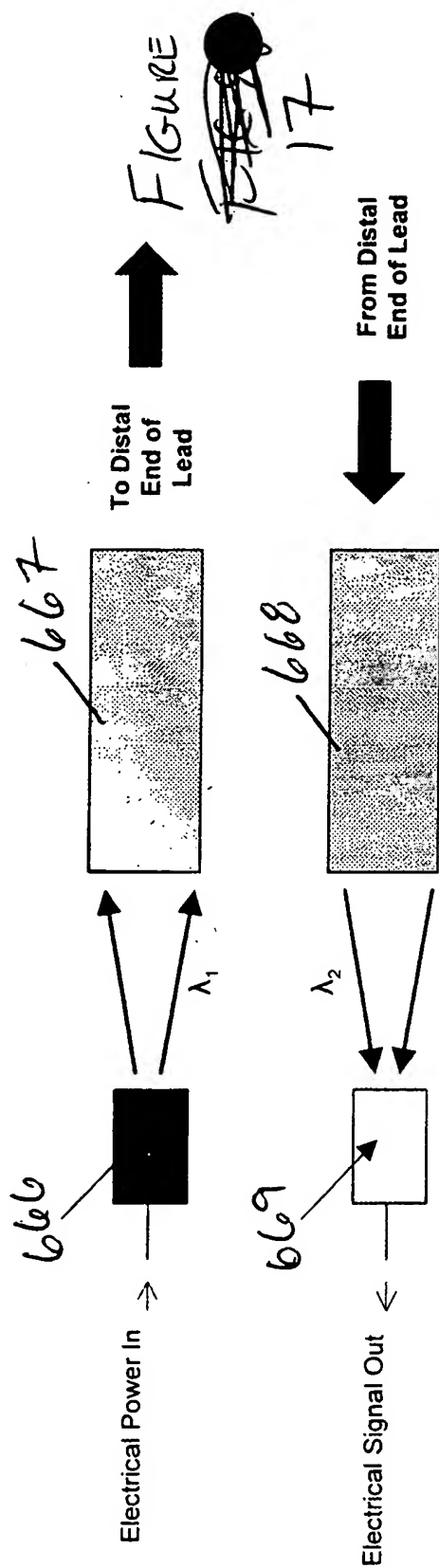


FIG. 16

To Proximal
End of
Catheter



Electrical Power Out ↓ ↑ Electrical Signal In



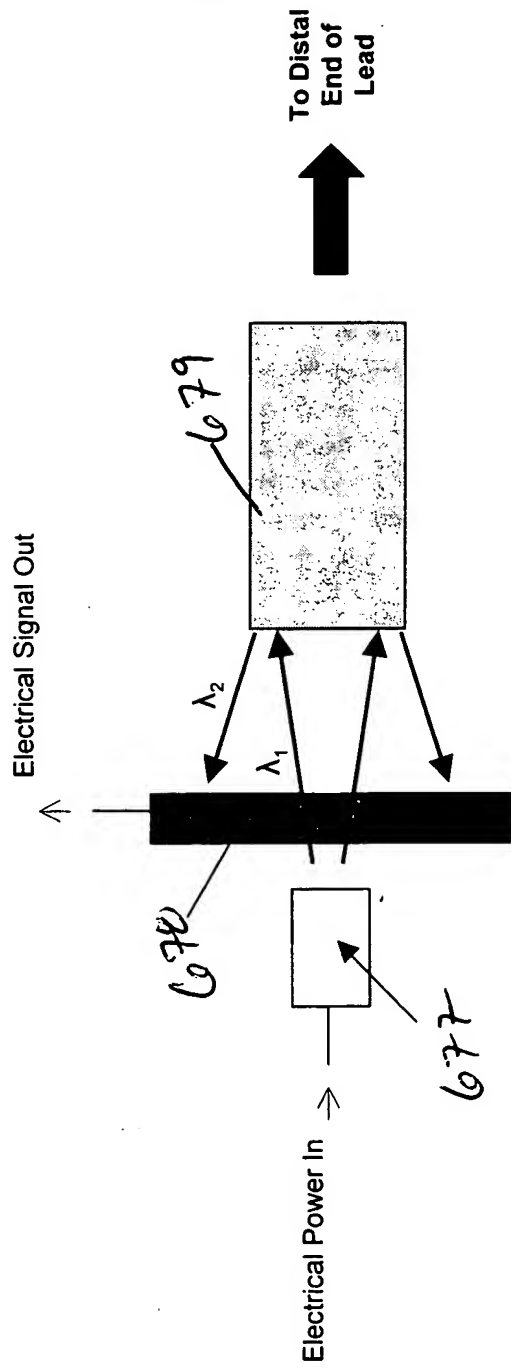


FIG 19

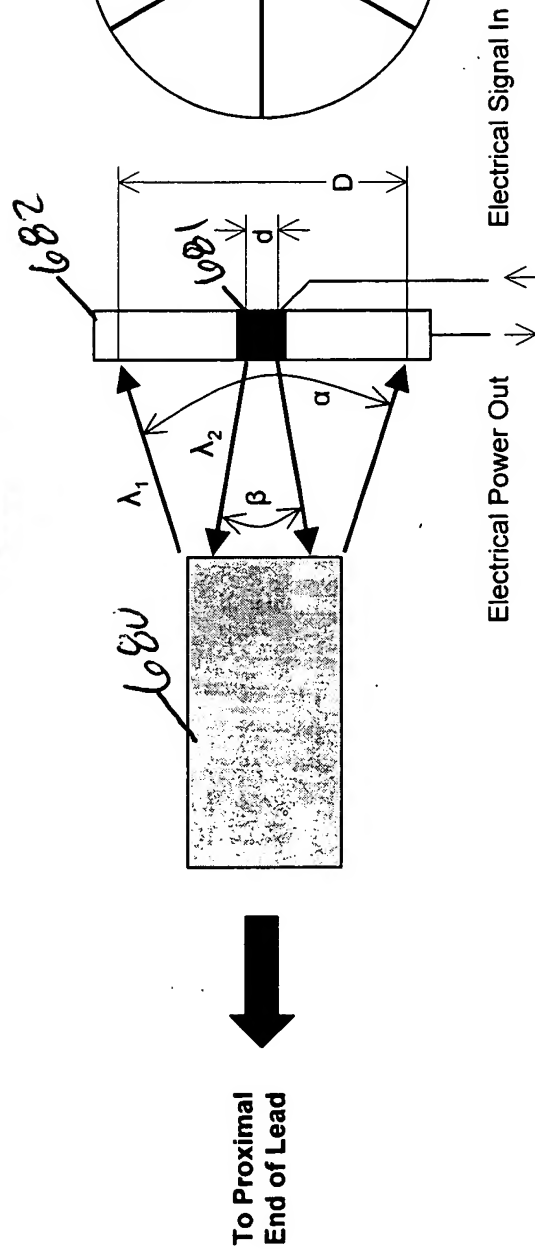


FIG 20

Fiber-optic coupling

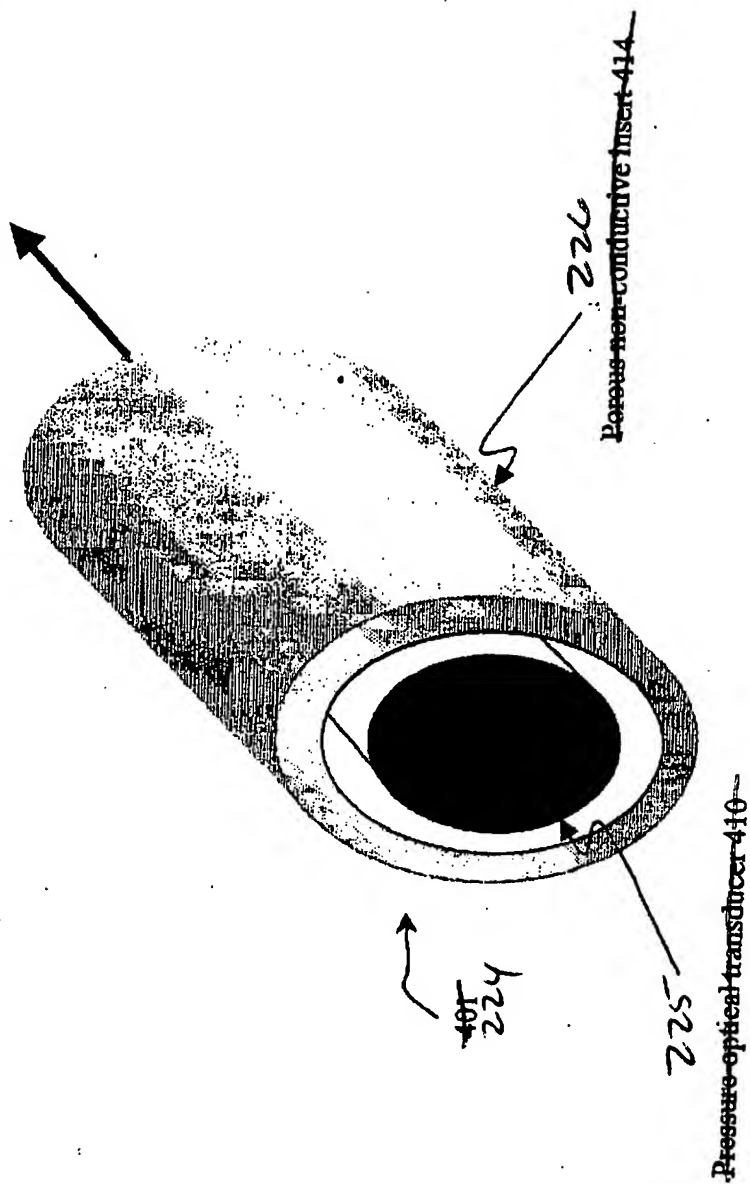


Fig. 1

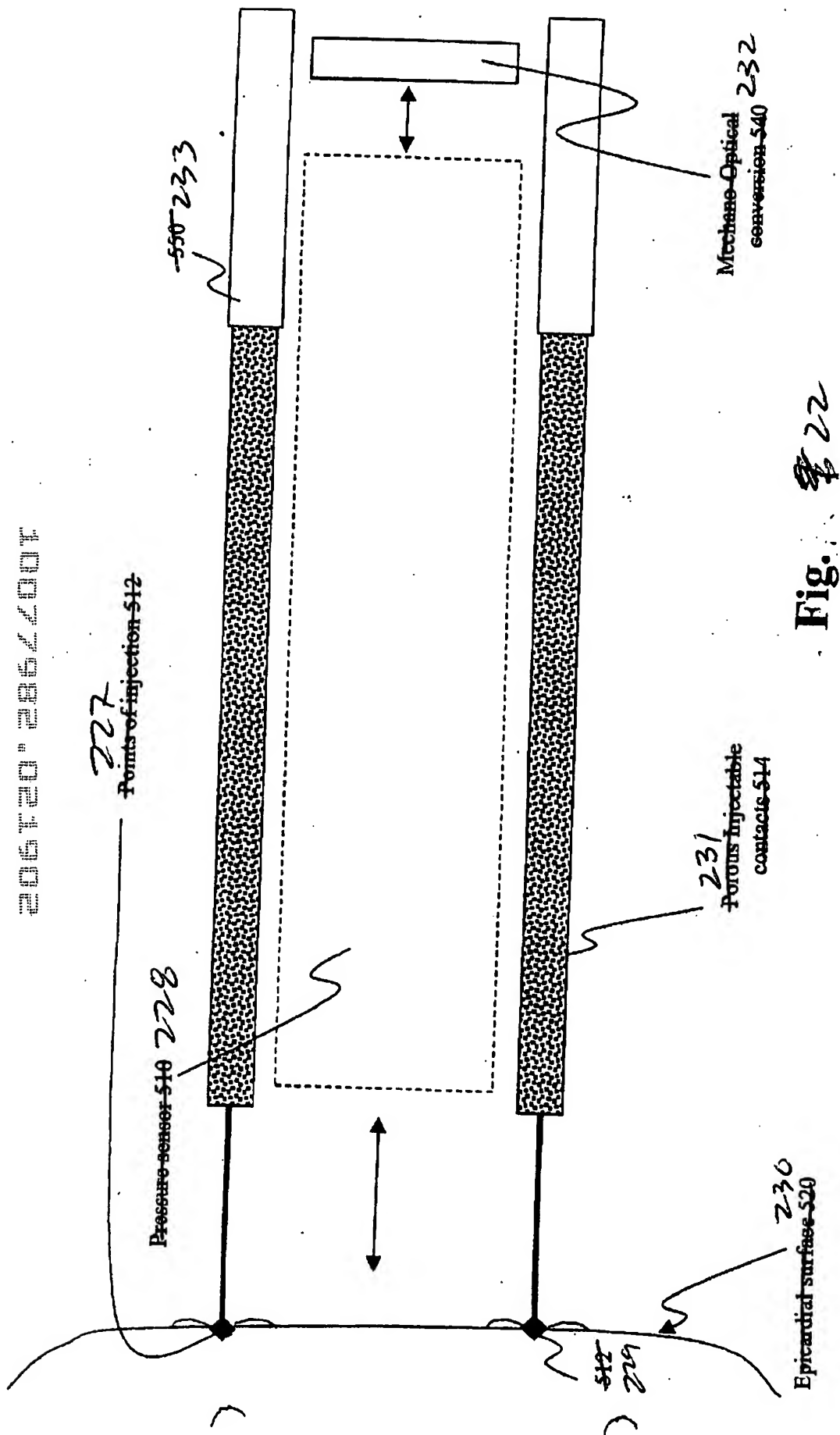


Fig. 22

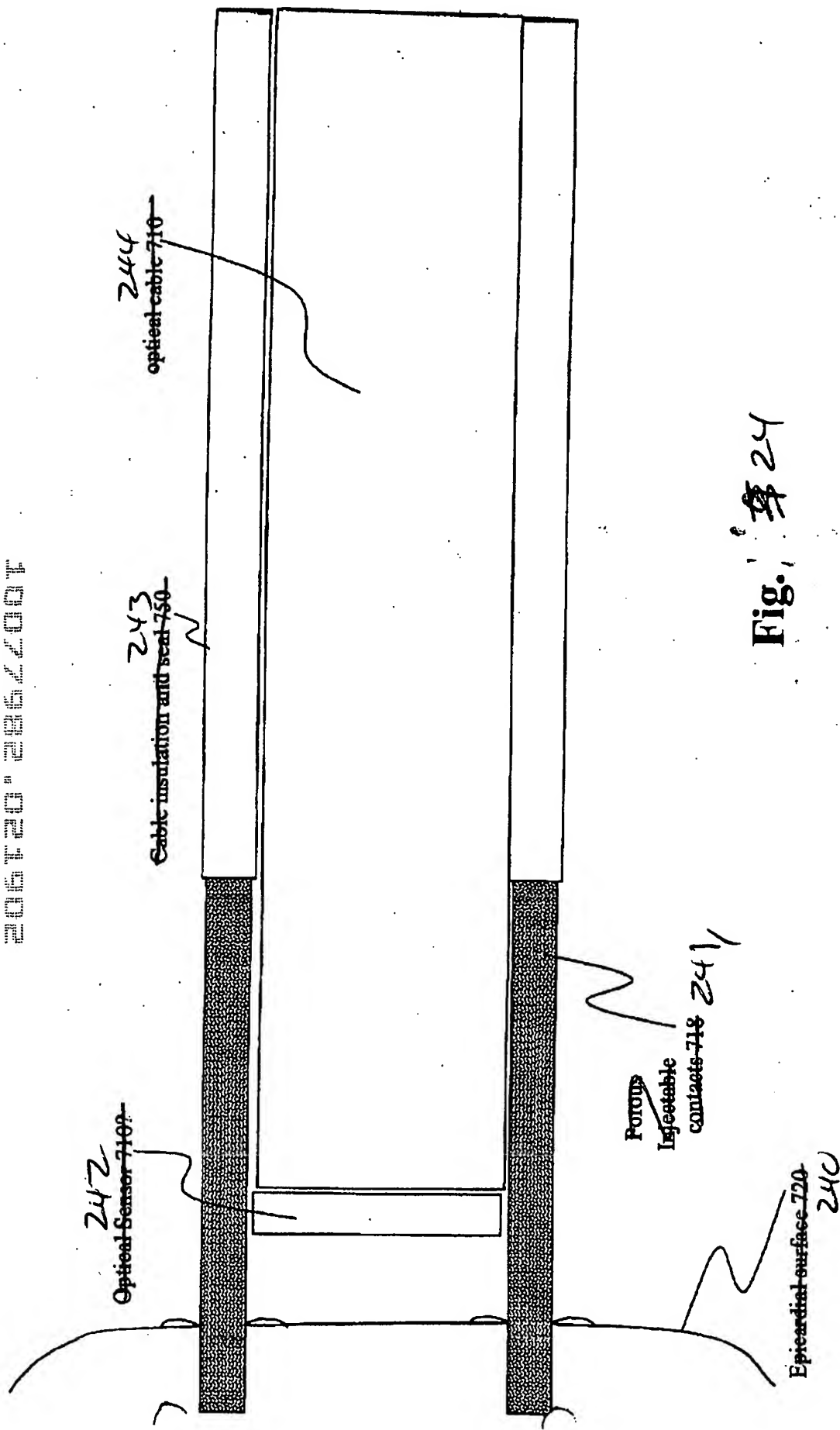


Fig. 24

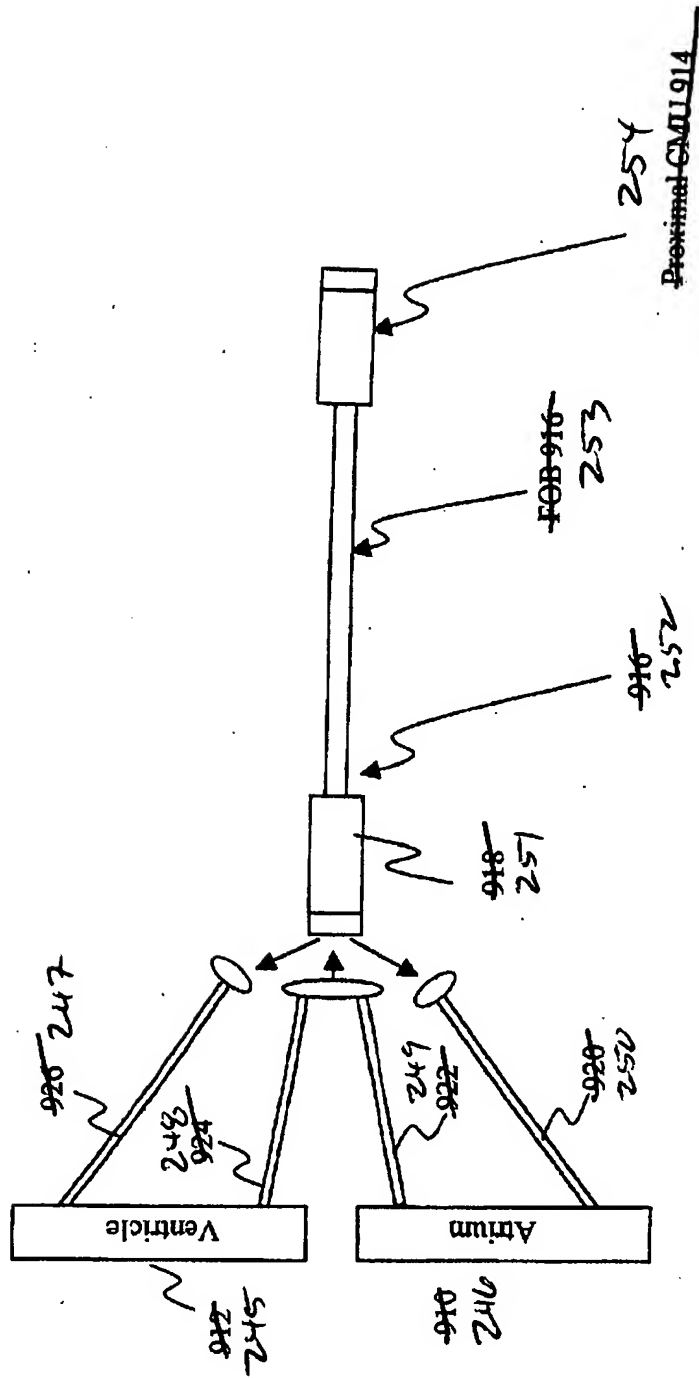


Fig. 25

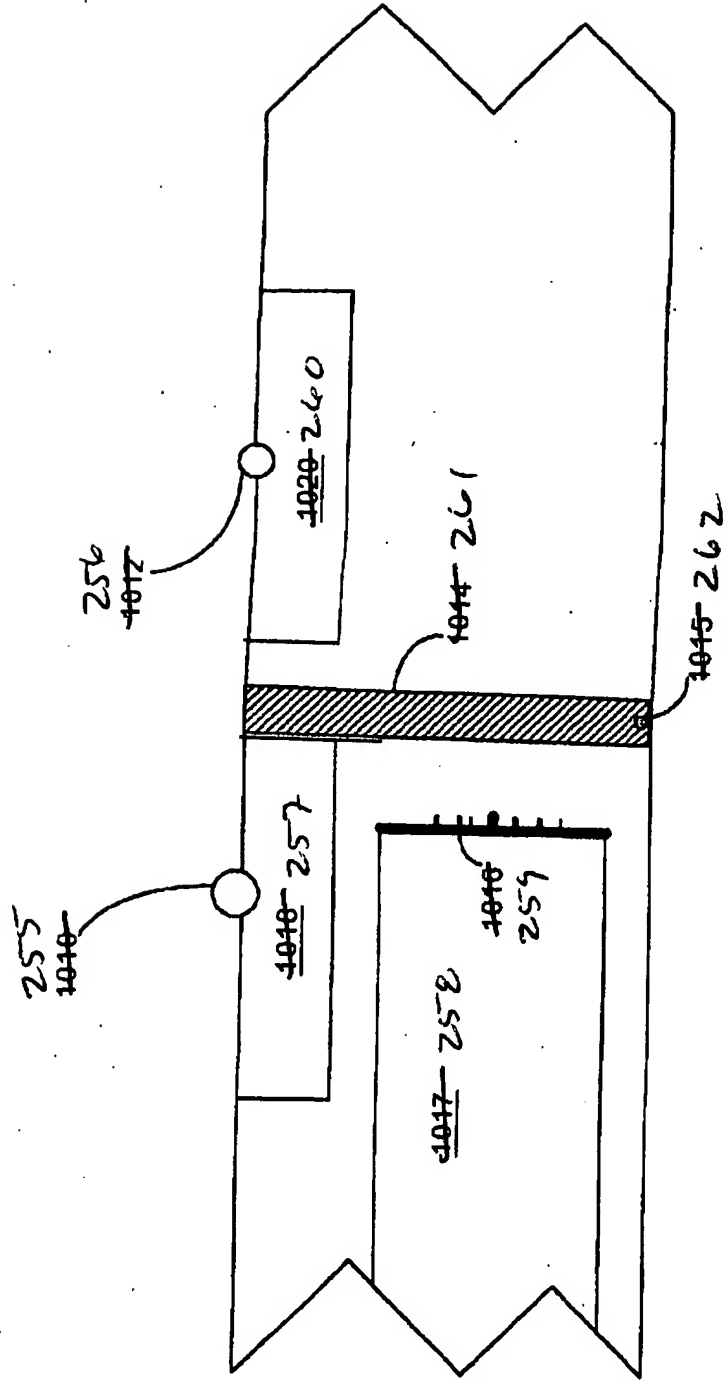


Fig. 26

23

FIG 27

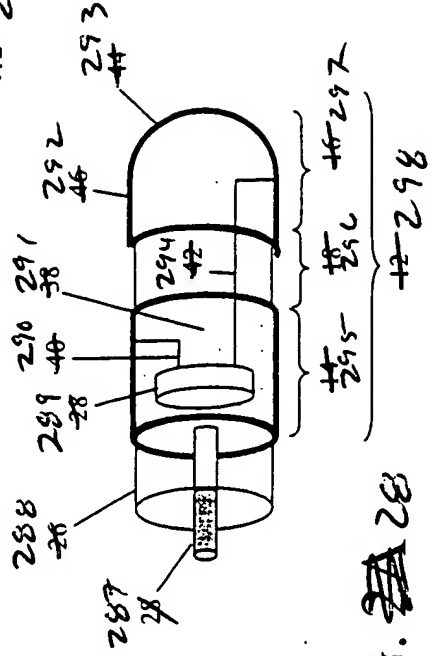
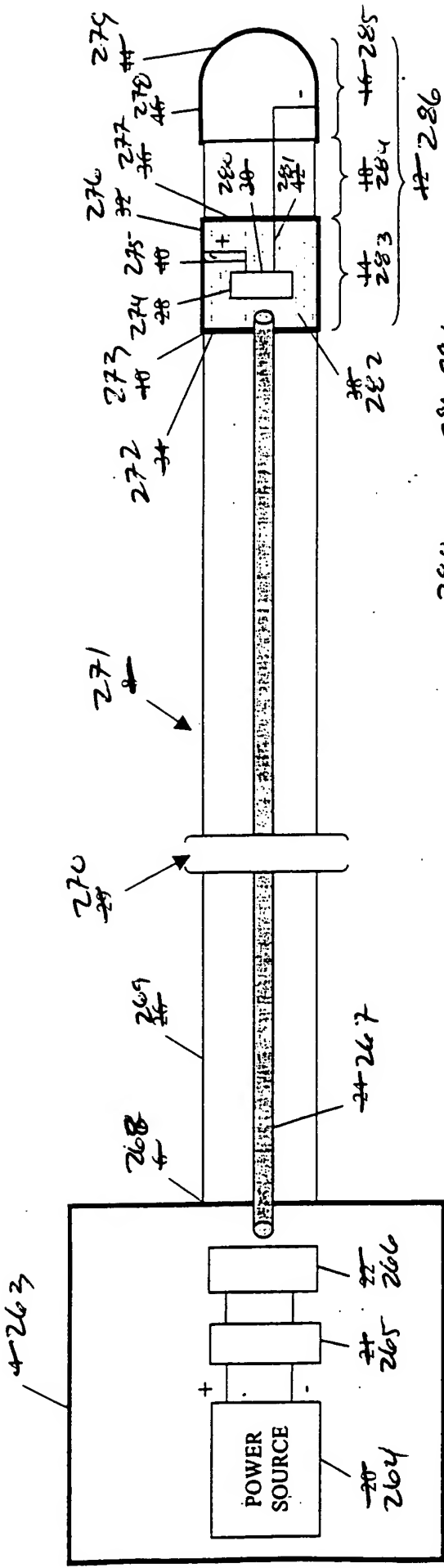


FIG. 28

FIG 2

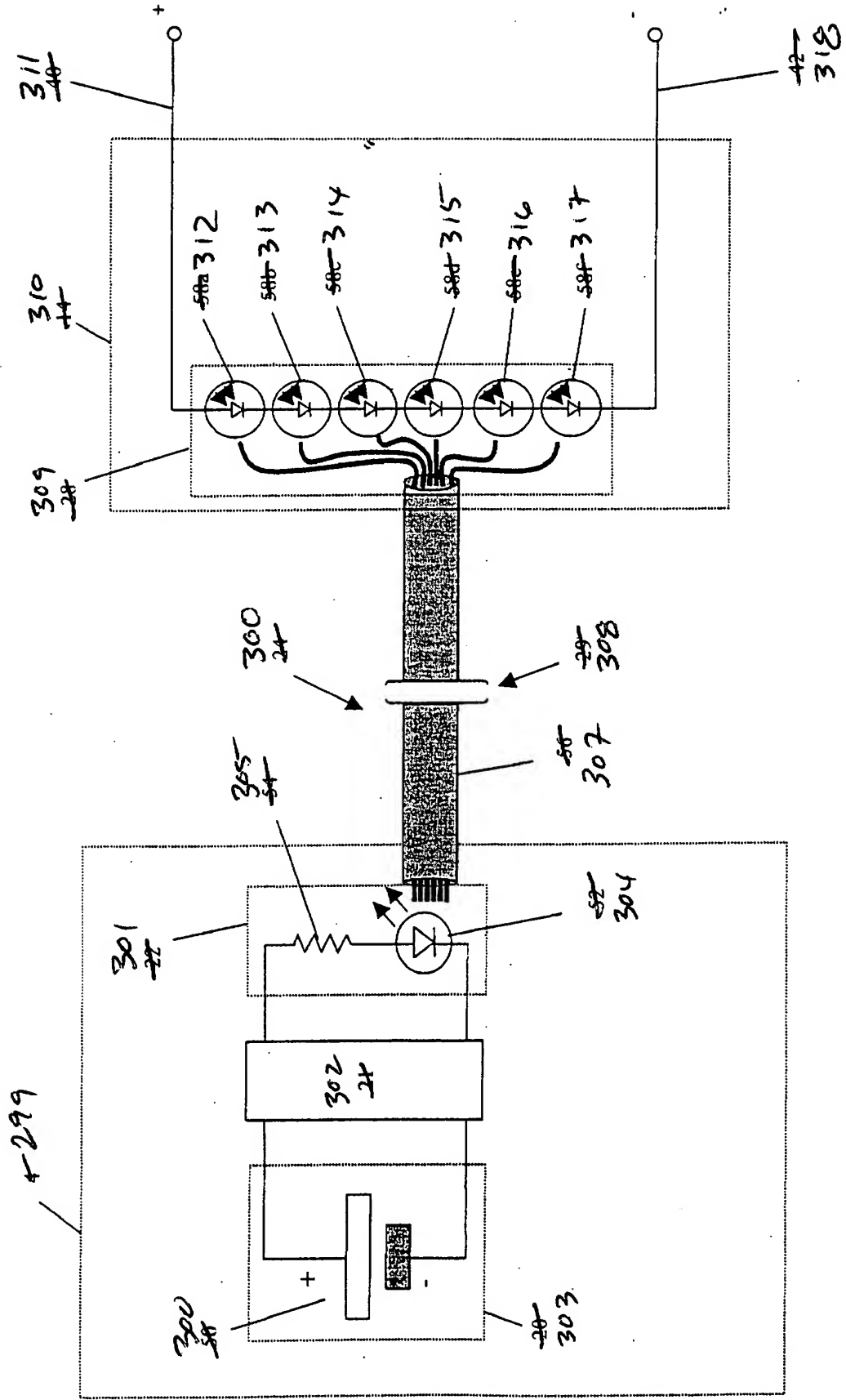


FIG. 29

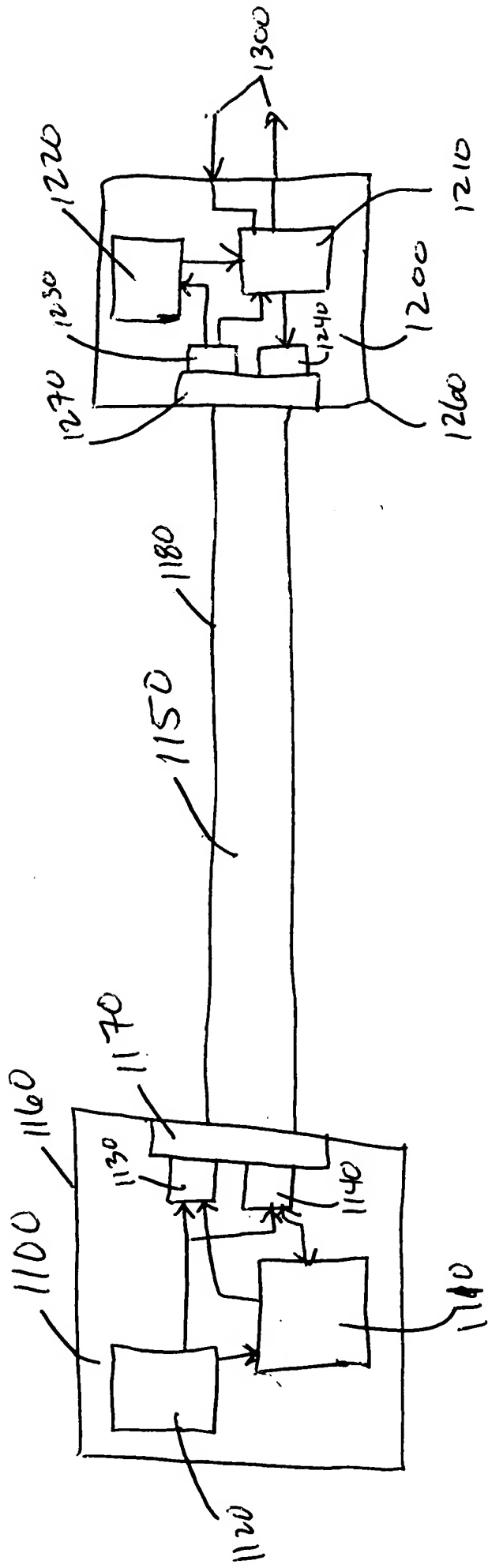
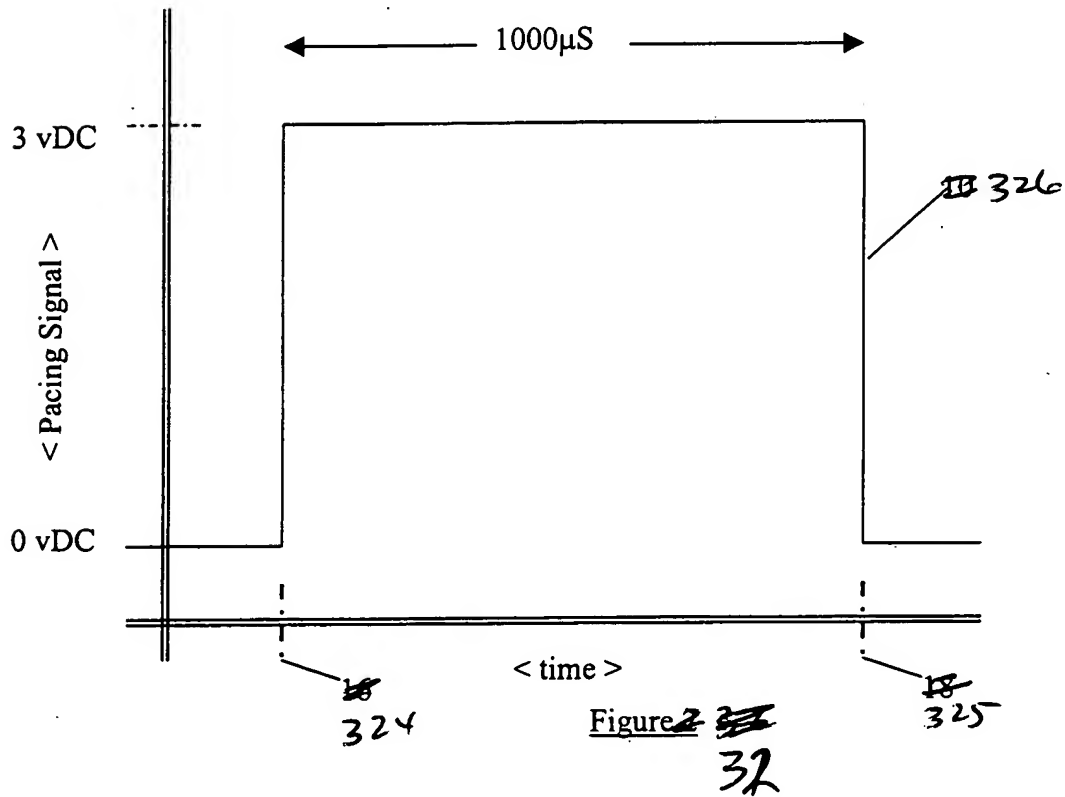
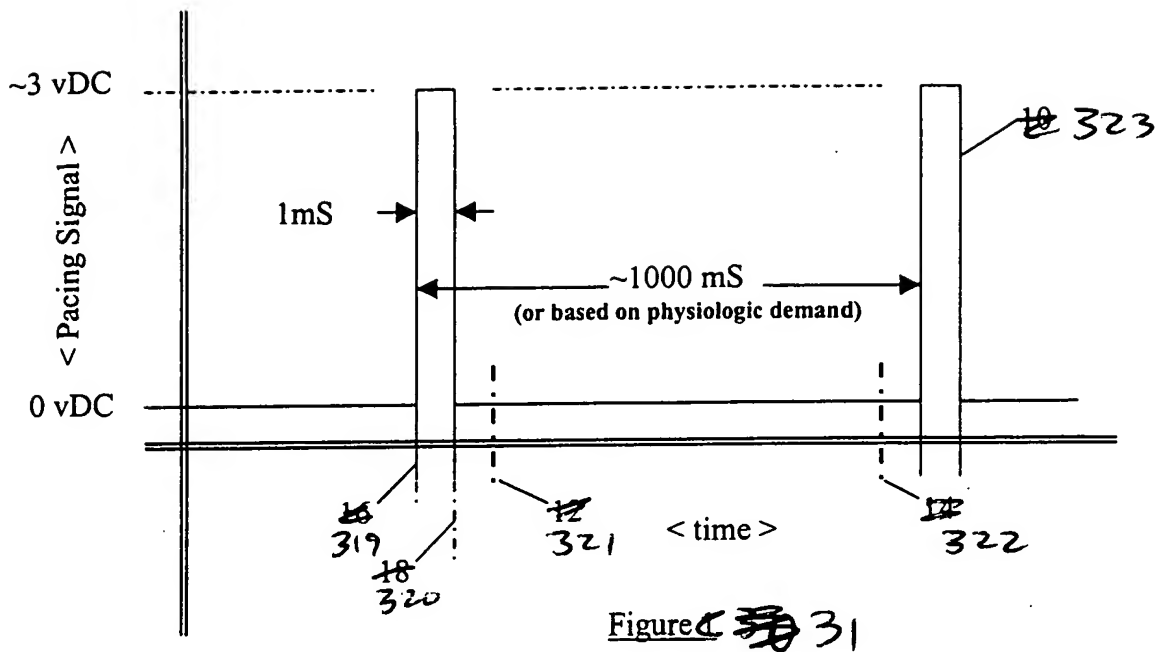


FIGURE 30



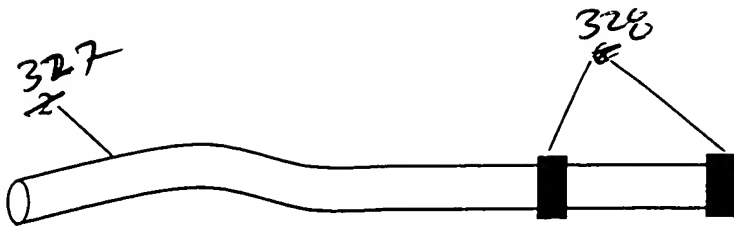


Figure ~~33~~ 33

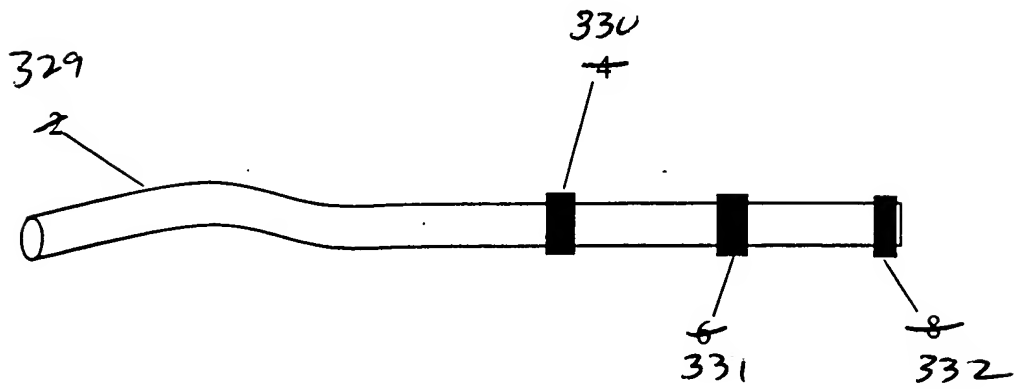


Figure ~~34~~ 34

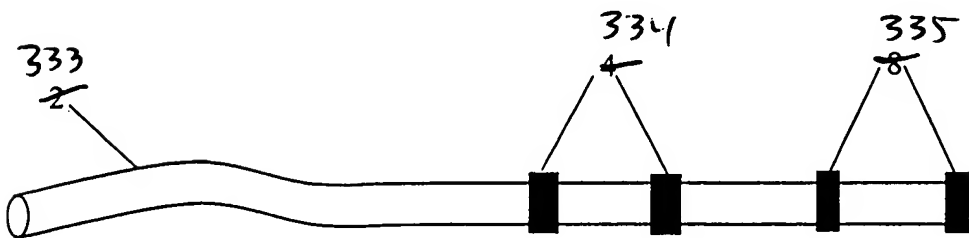


Figure ~~35~~ 35

20077982.00T 285200T

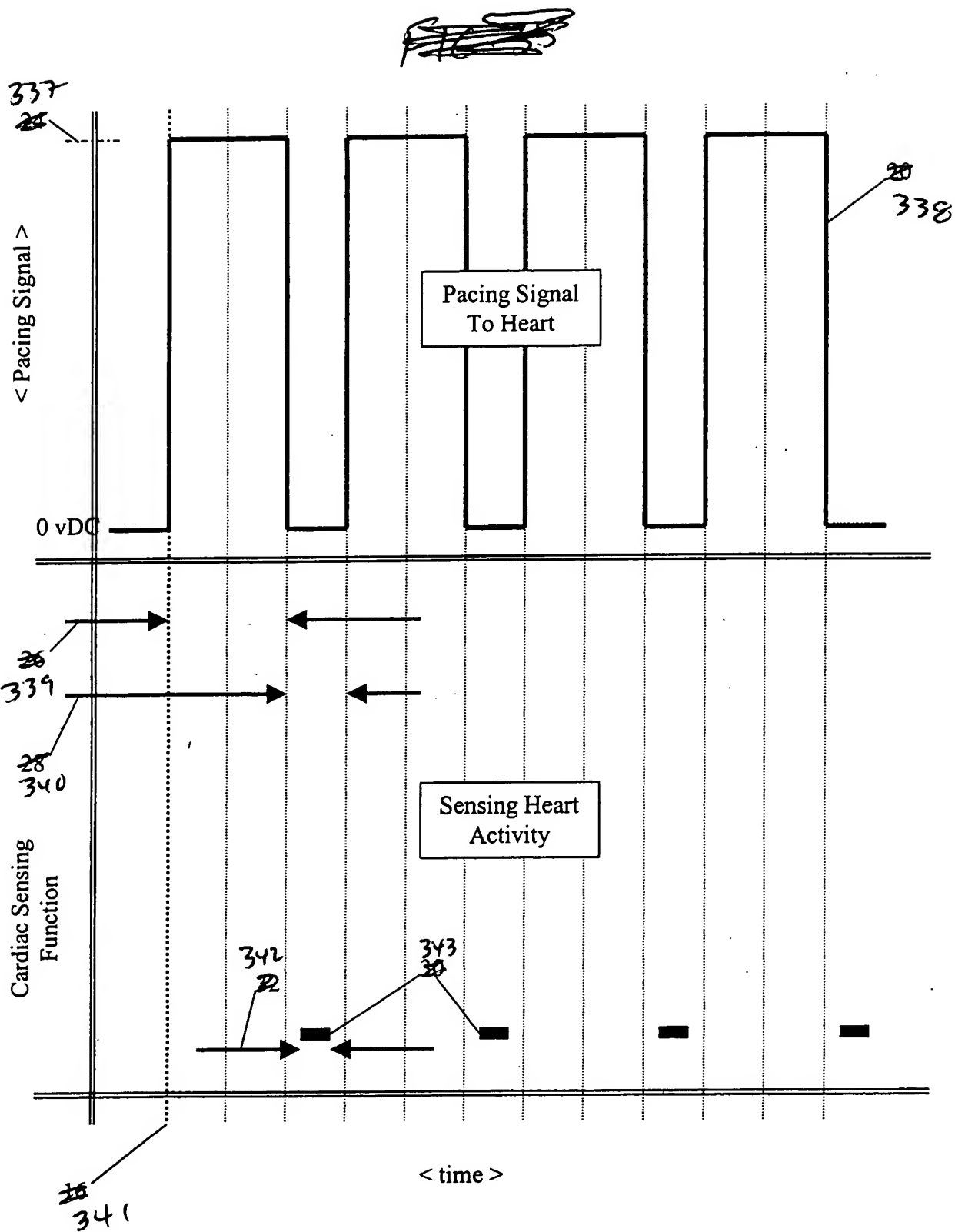


Figure 36

10077982.024902

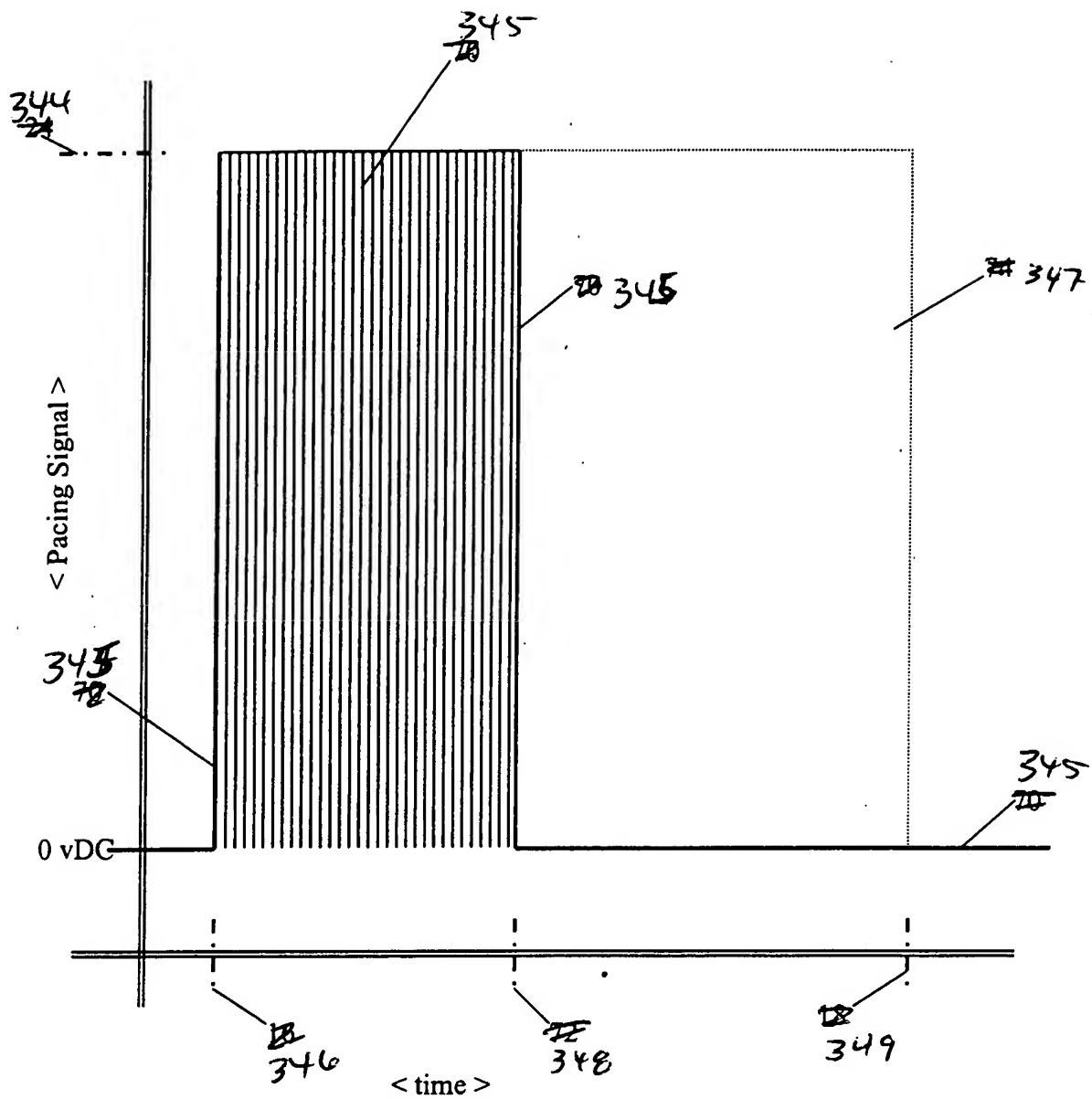


Figure 37

2006T20" 2852200T

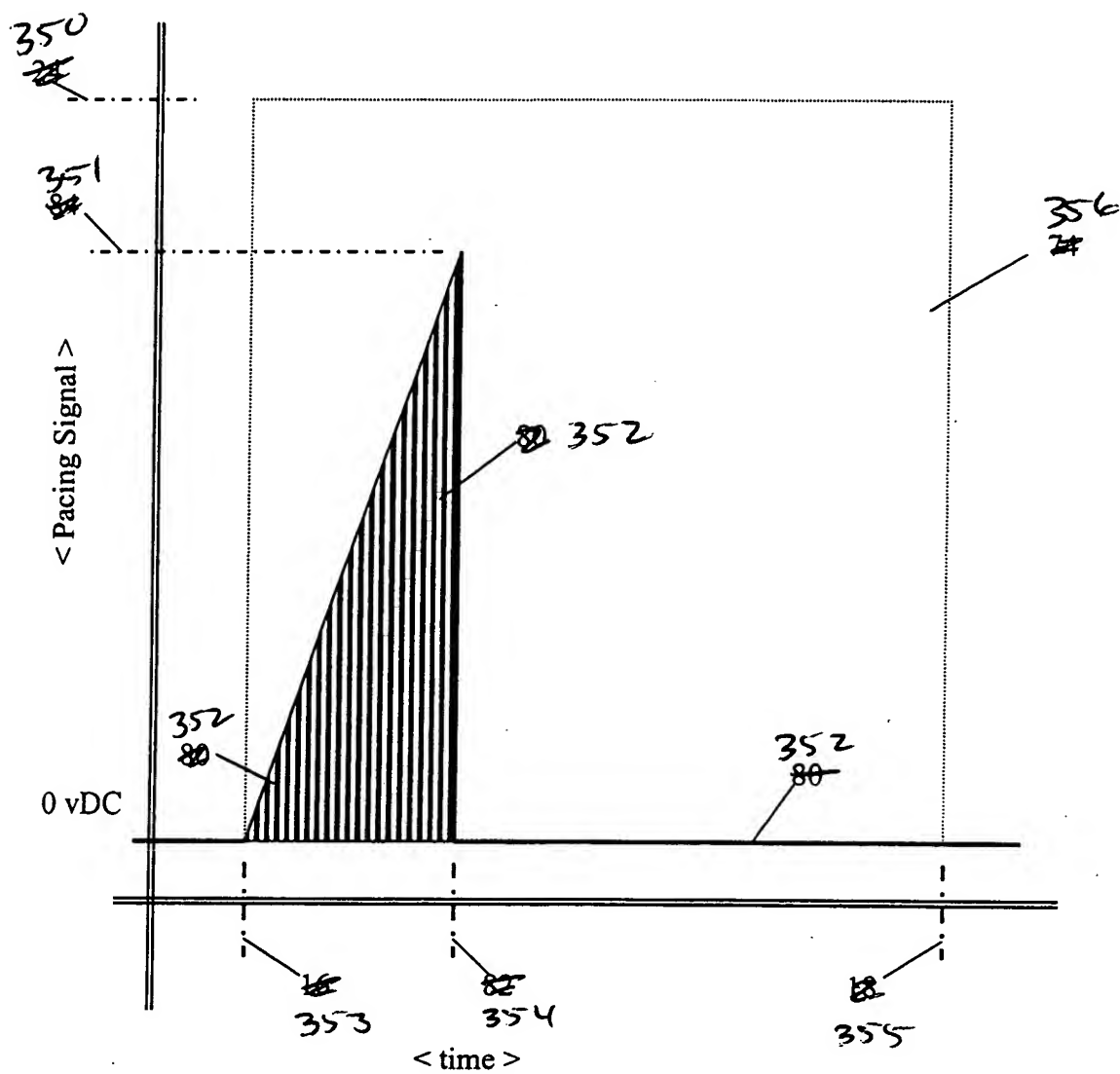


Figure 38

2006T20 286200T

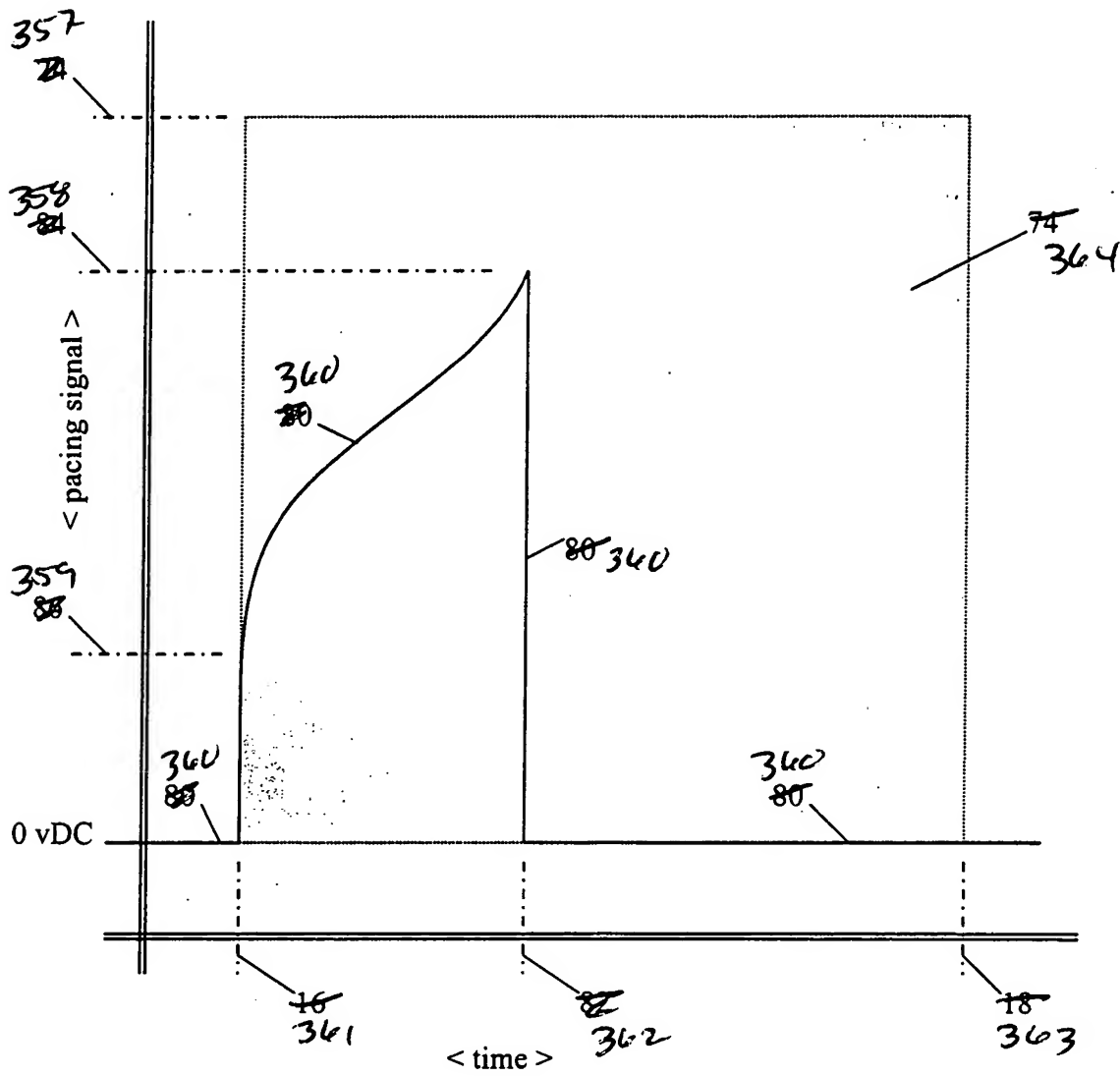


Figure 39

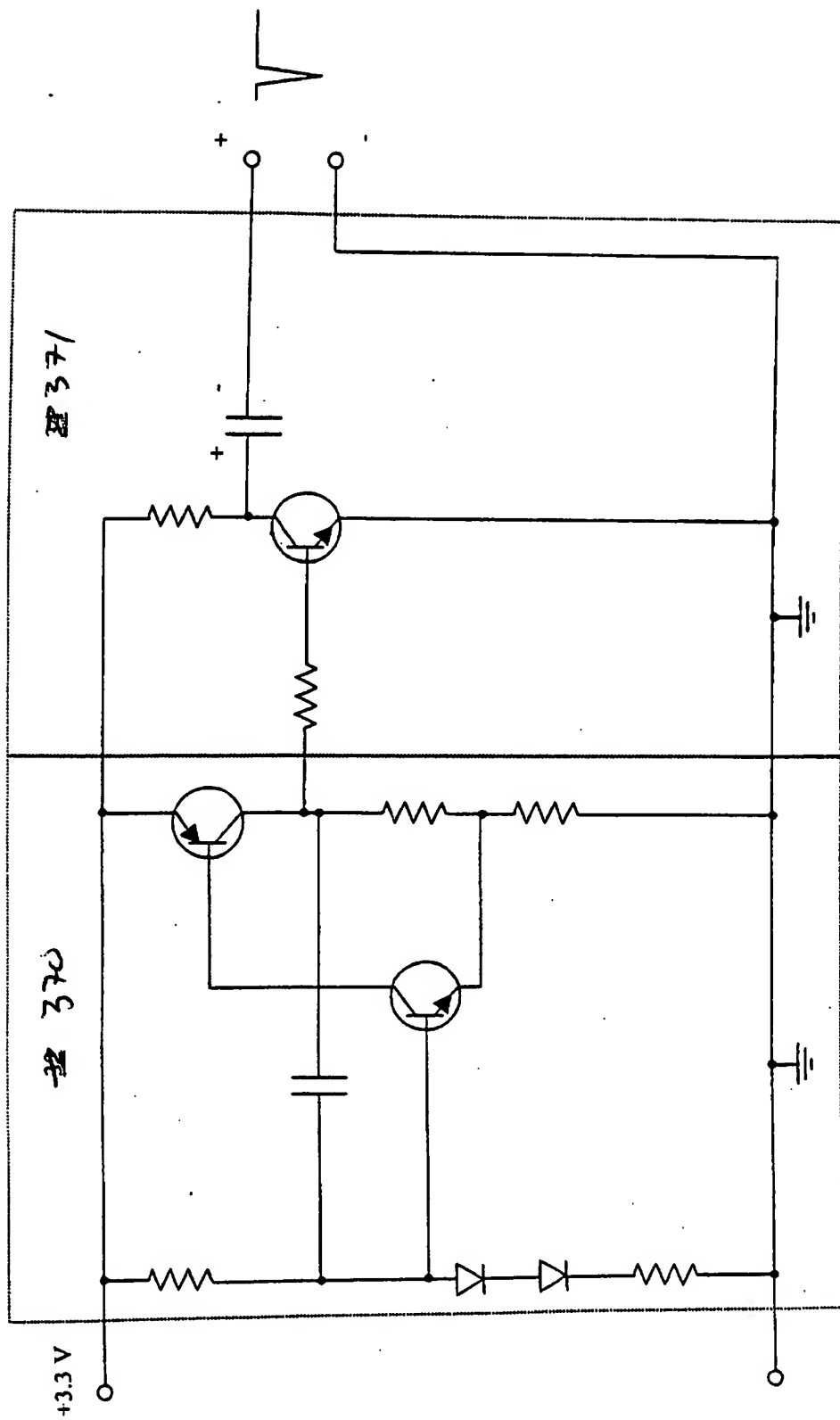
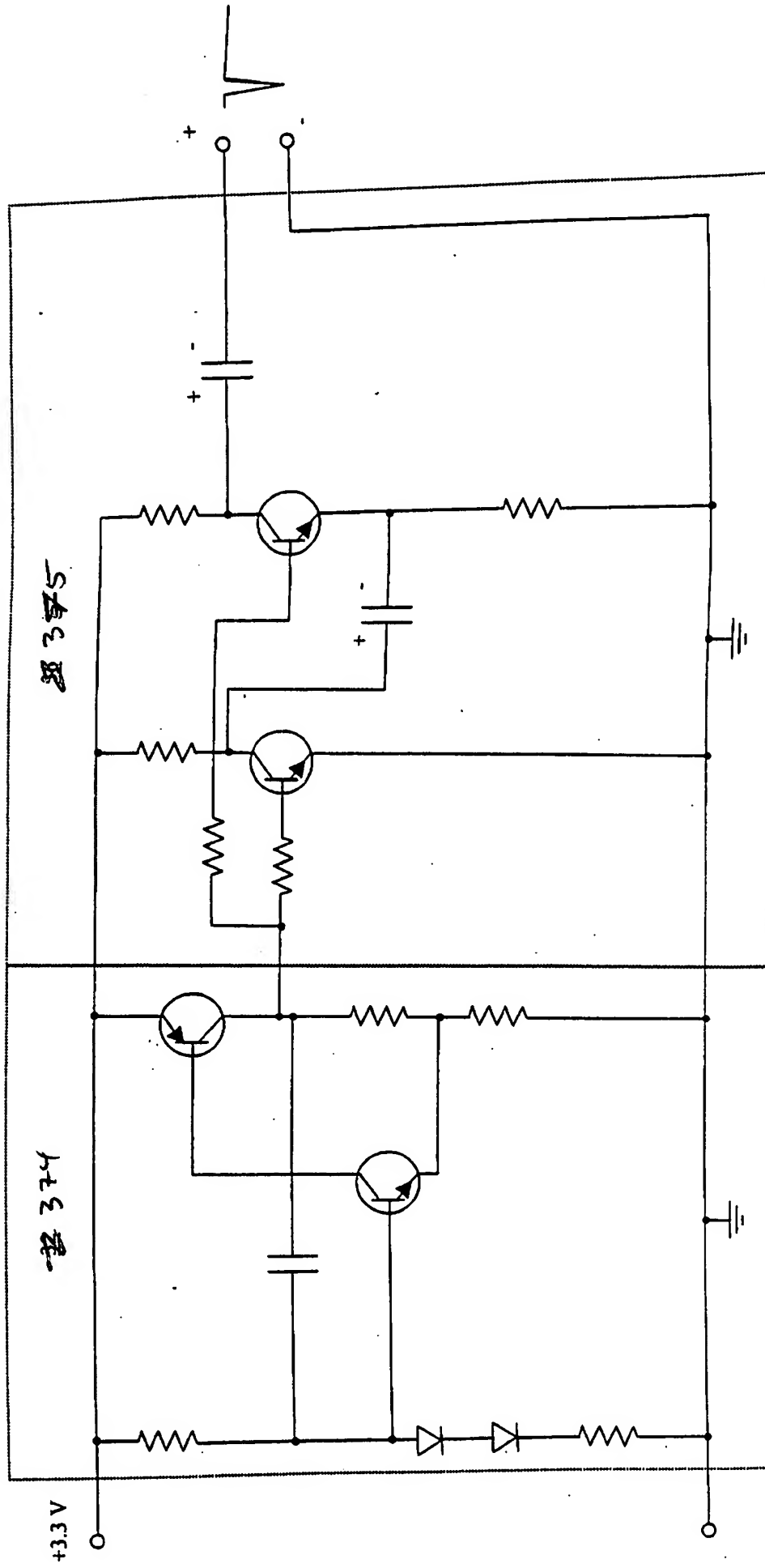


FIG. 341

372



373

FIG. 442

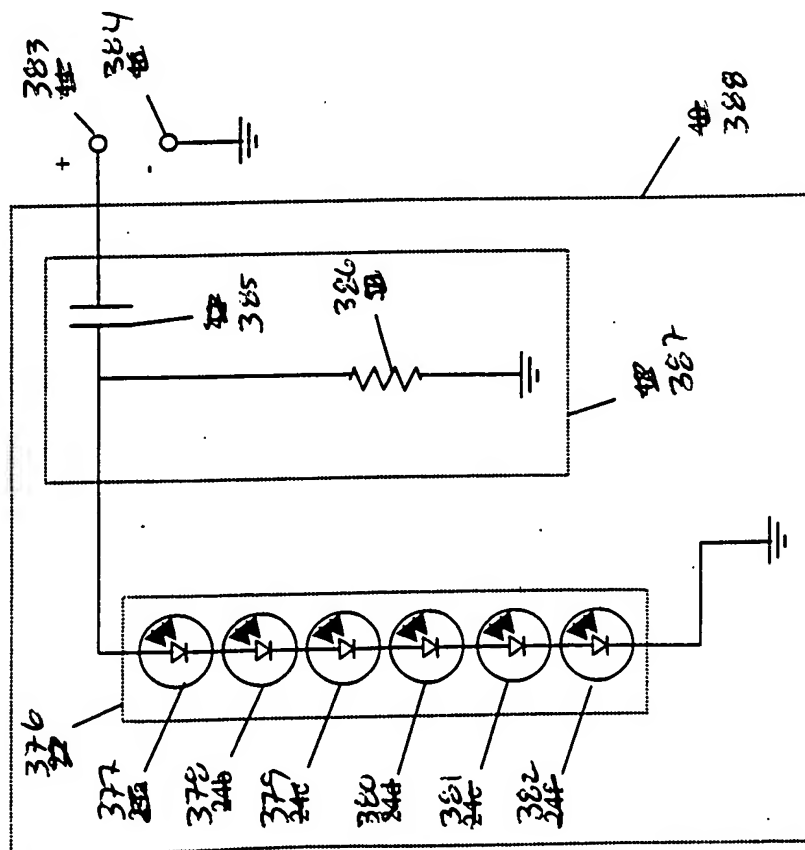


FIG. 843

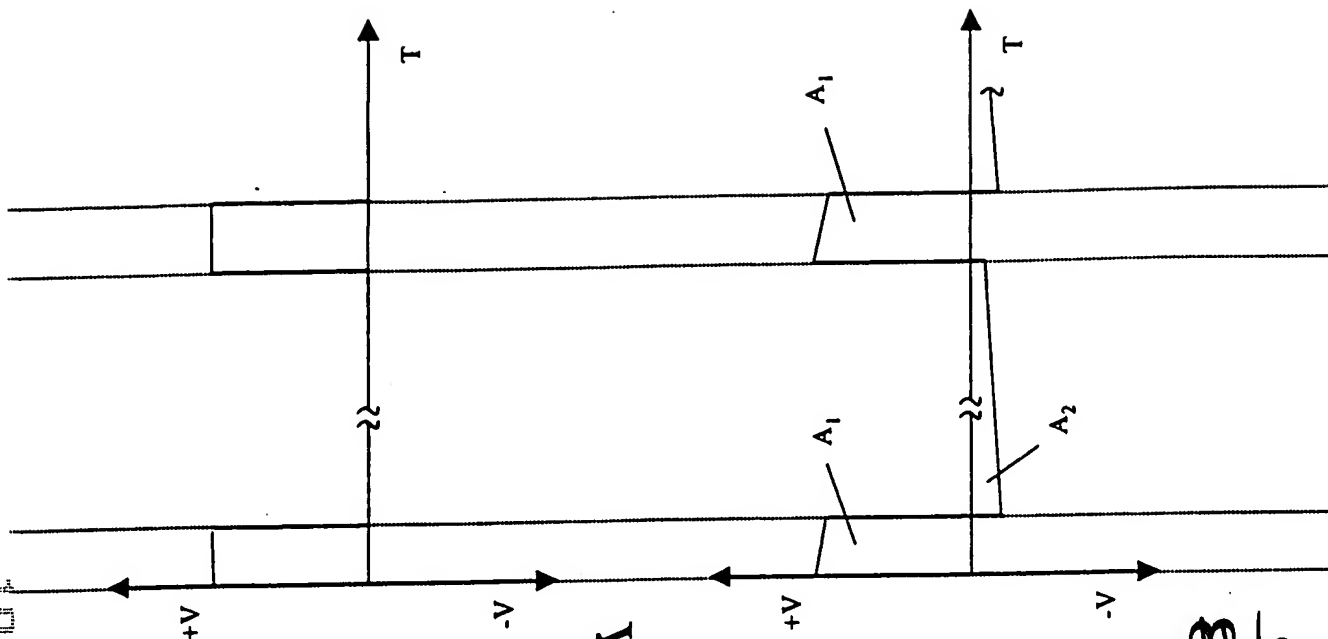


FIG. 6A

FIG. 6B

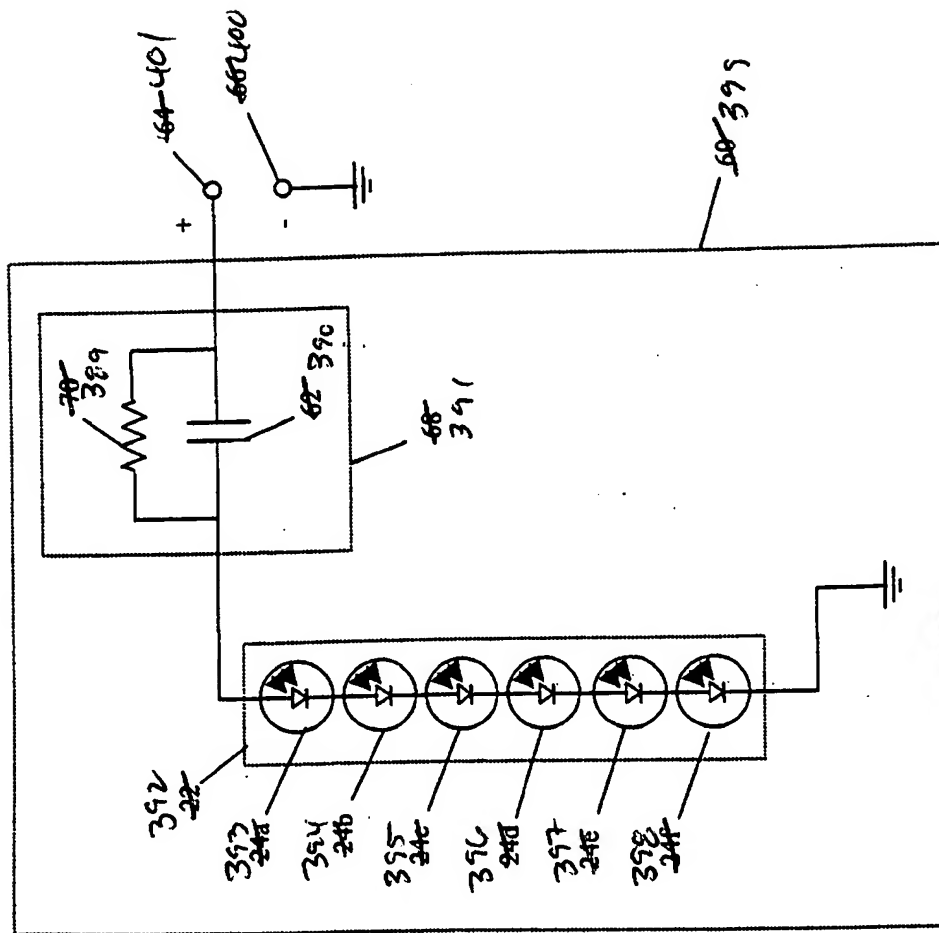


FIG. 340

206120 2867001

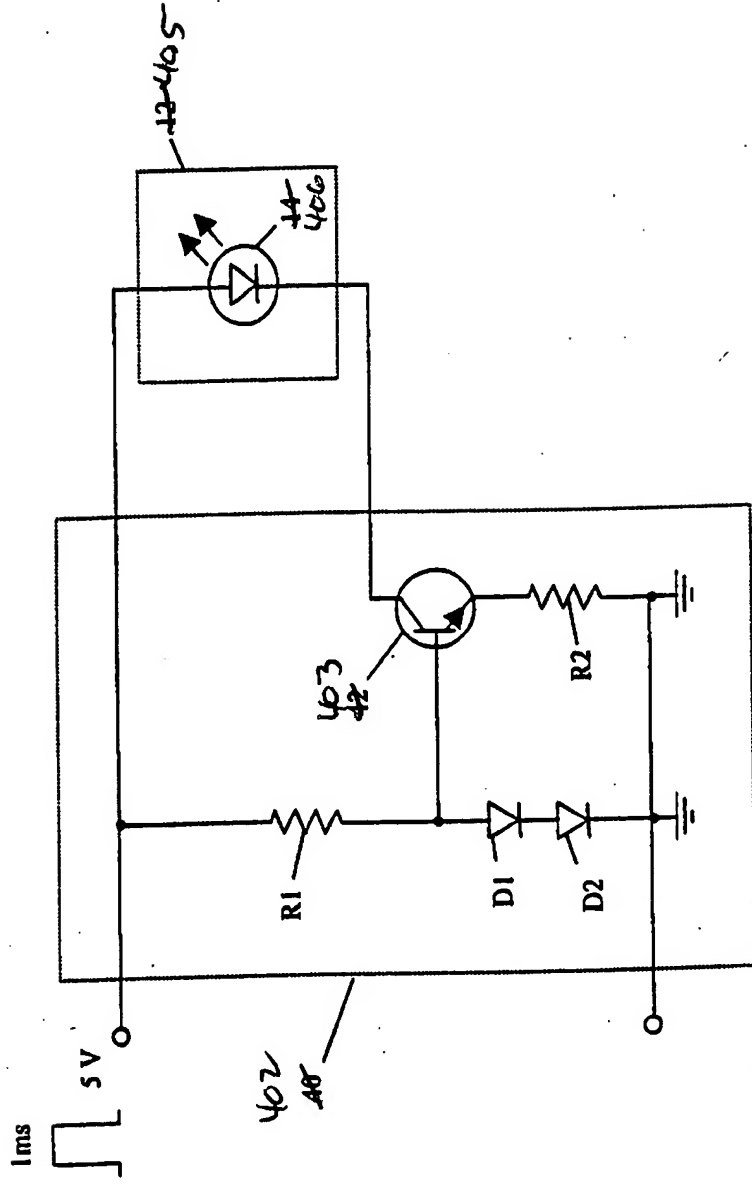


FIG. 47

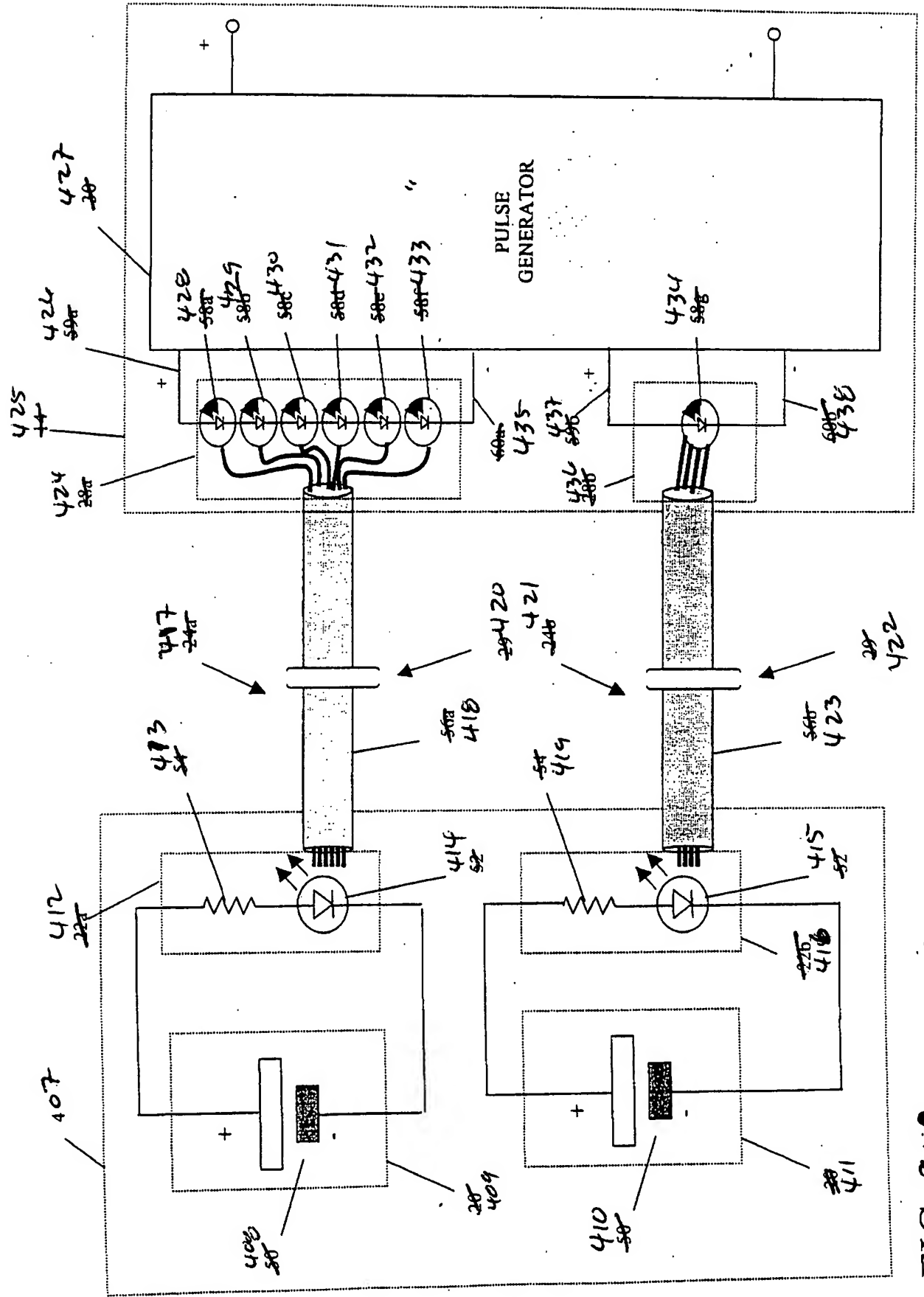
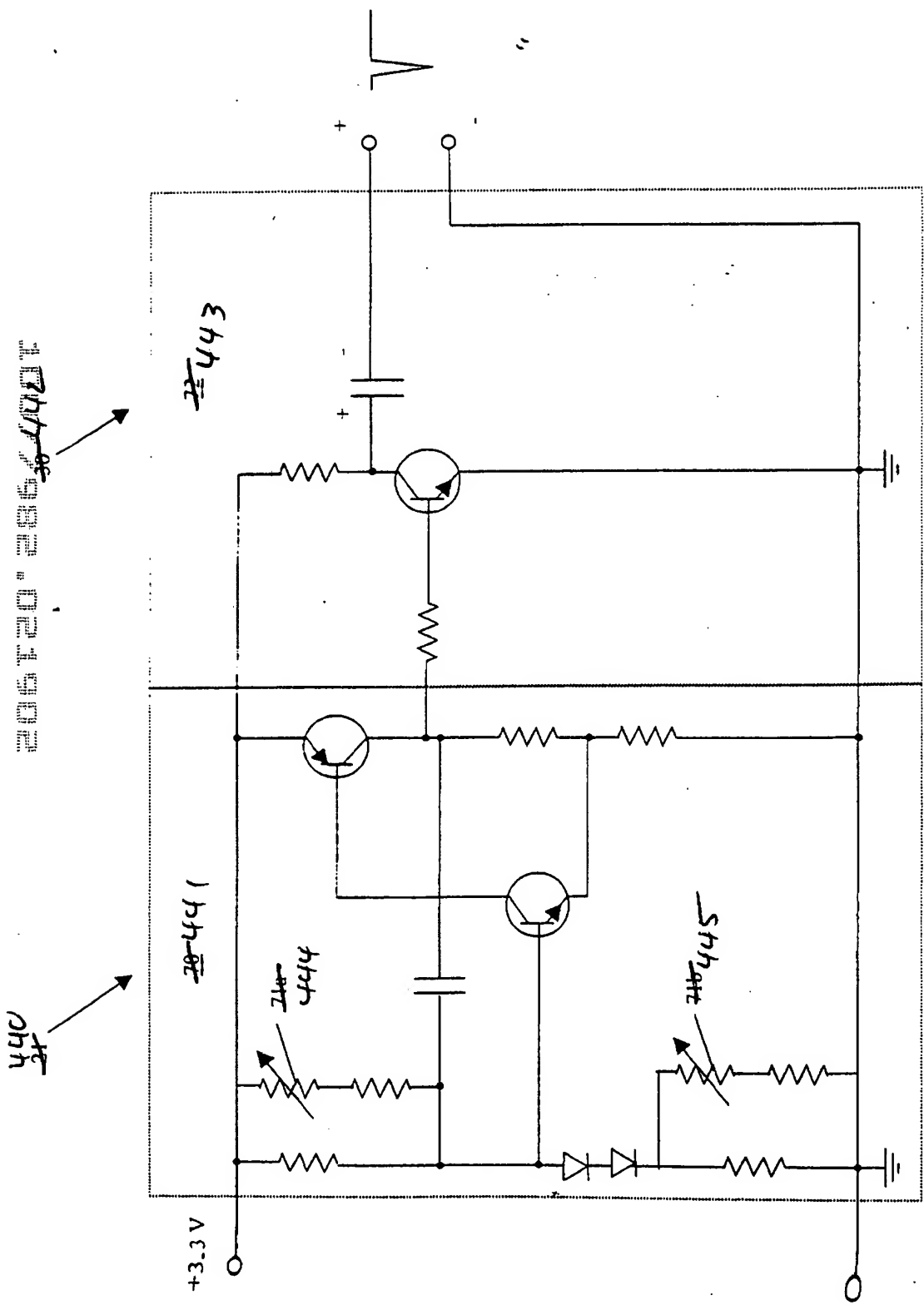


FIG. 340



~~244~~ 439

FIG. 449

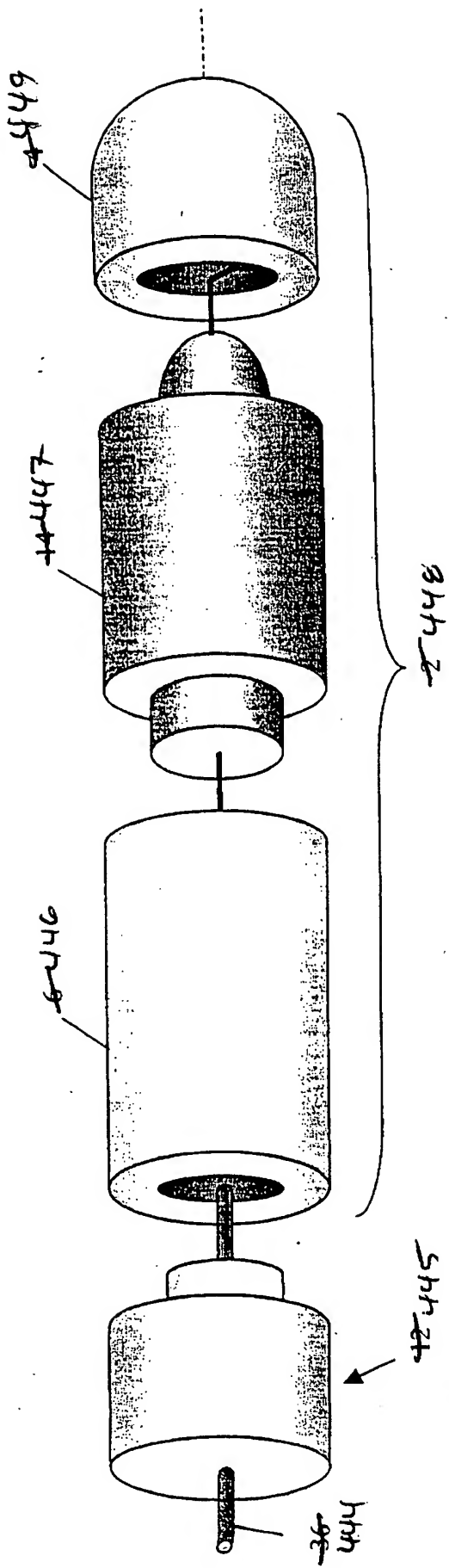


FIG. 450

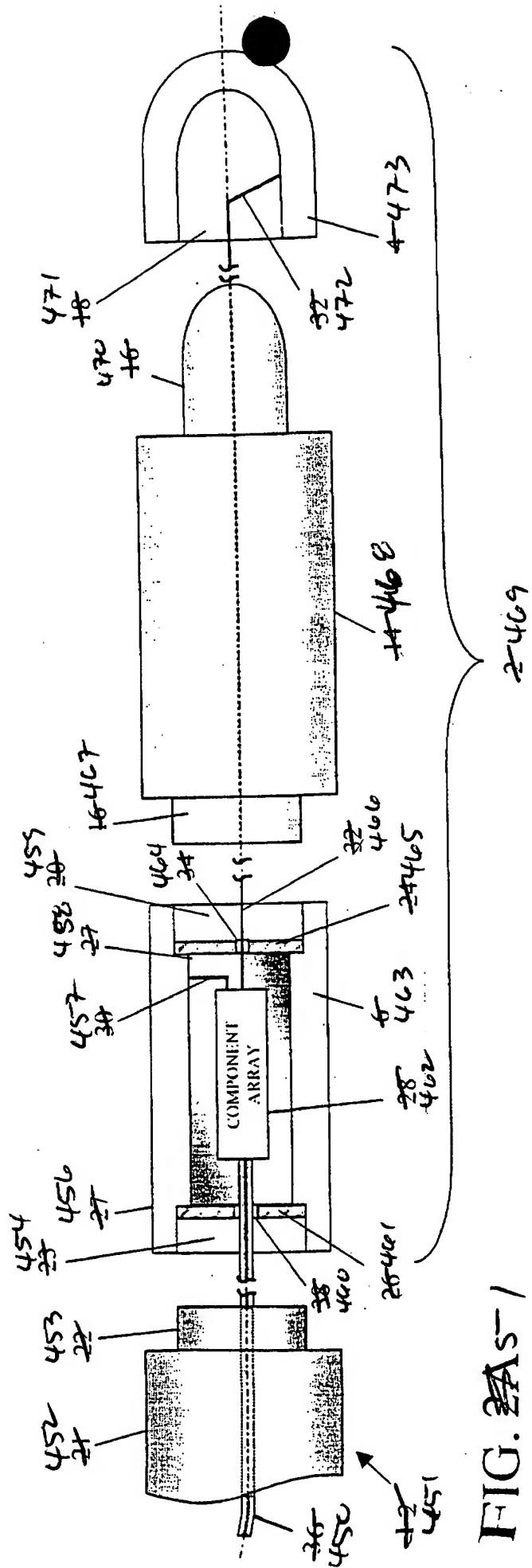


FIG. 451

206120 286200T

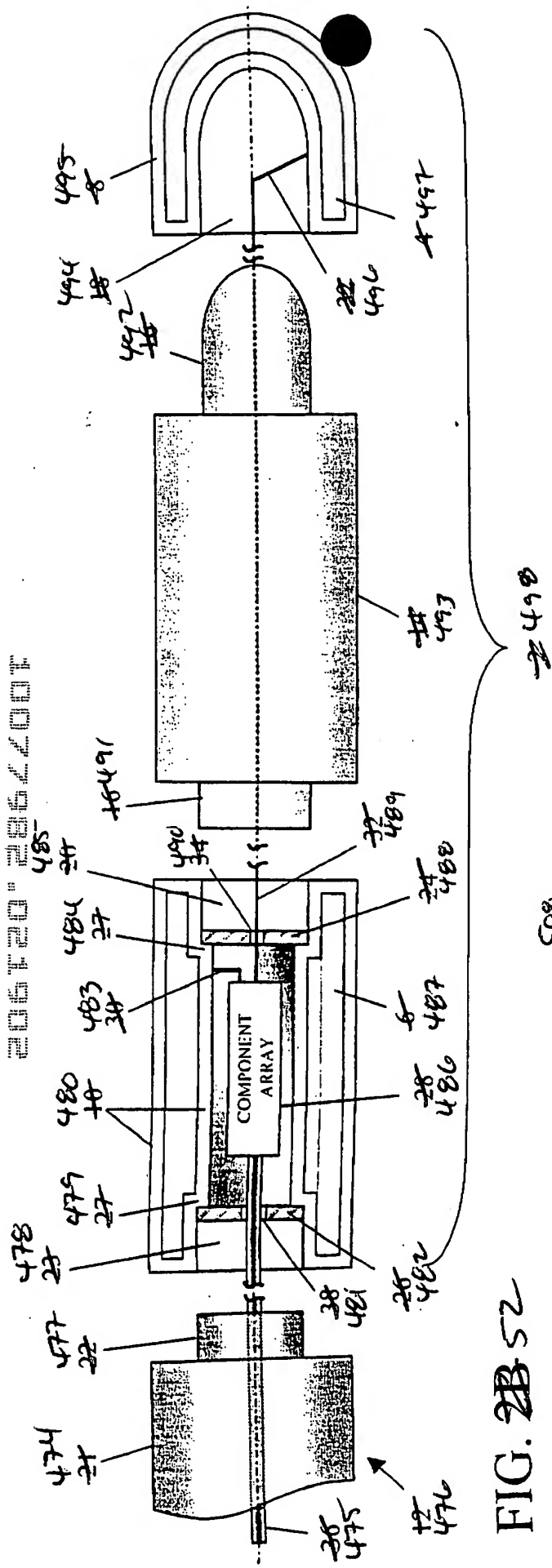


FIG. 2B 52

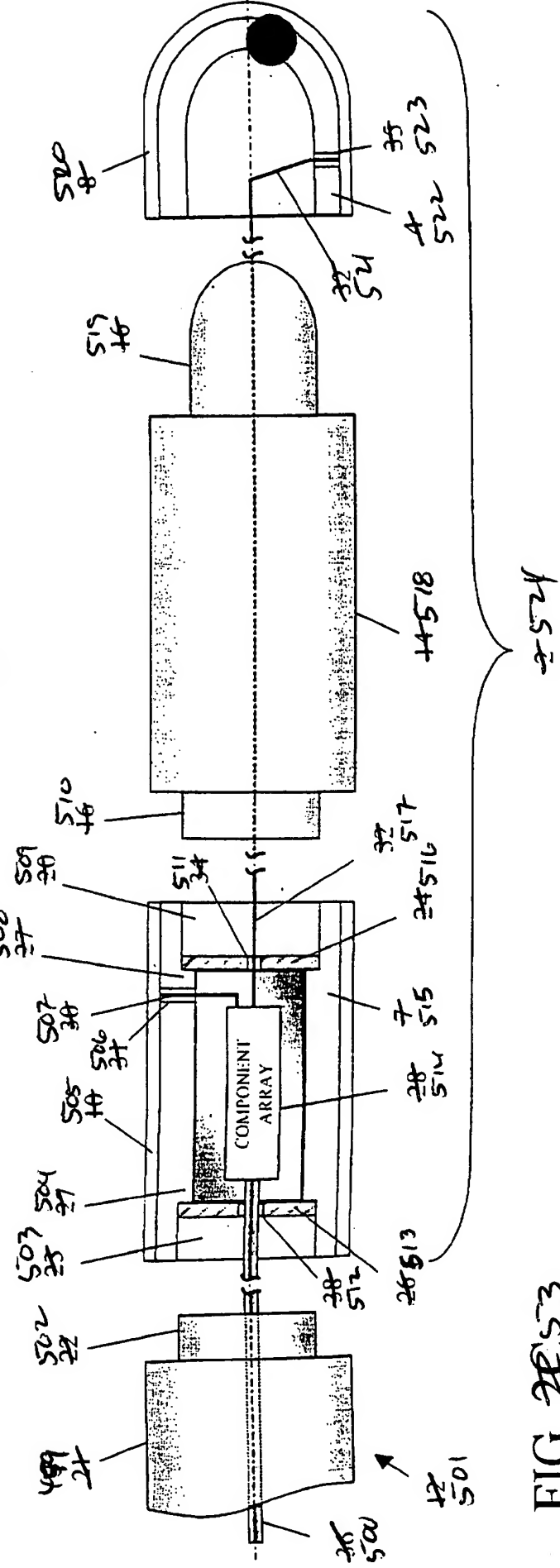


FIG. 2C 53

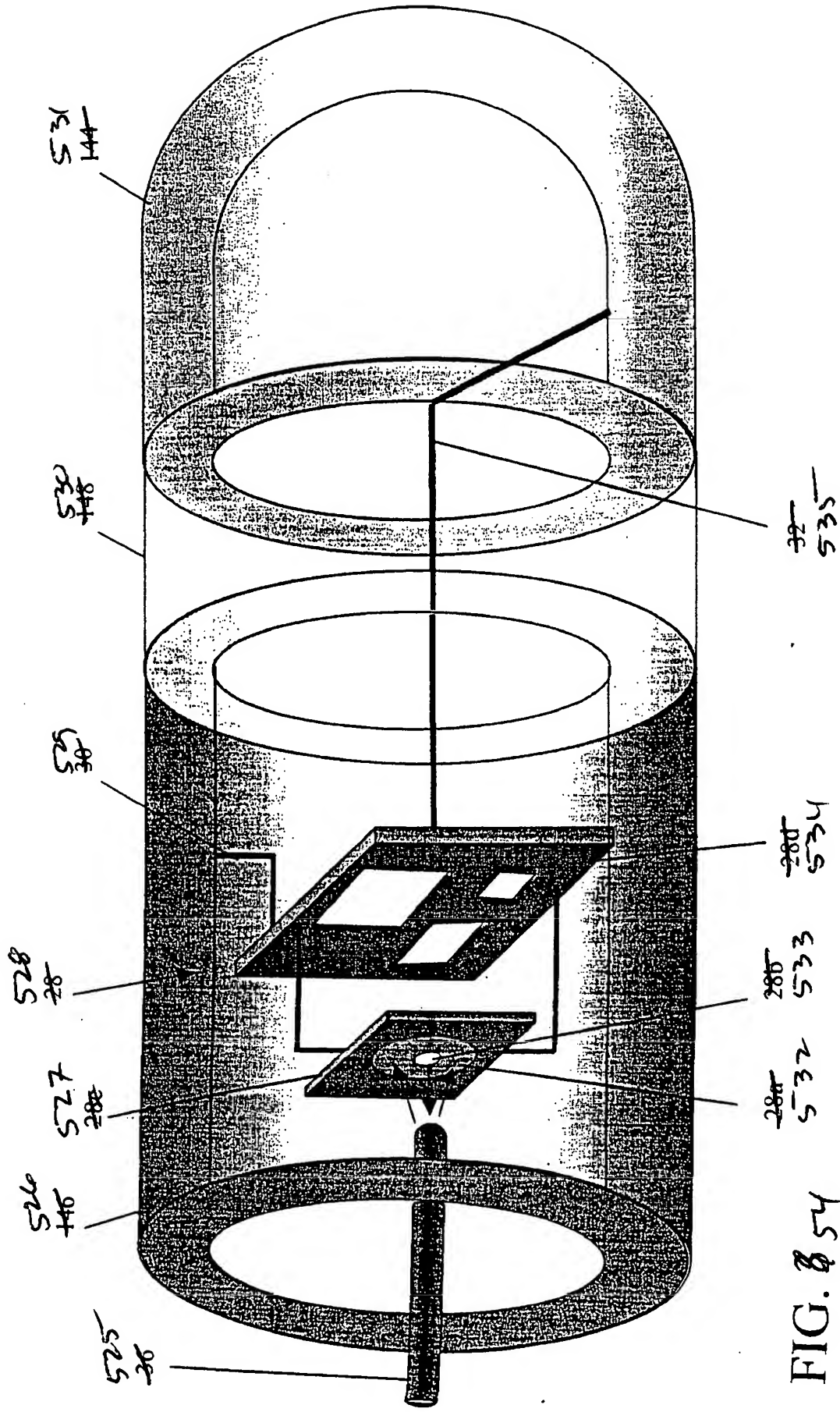


FIG. 8 54

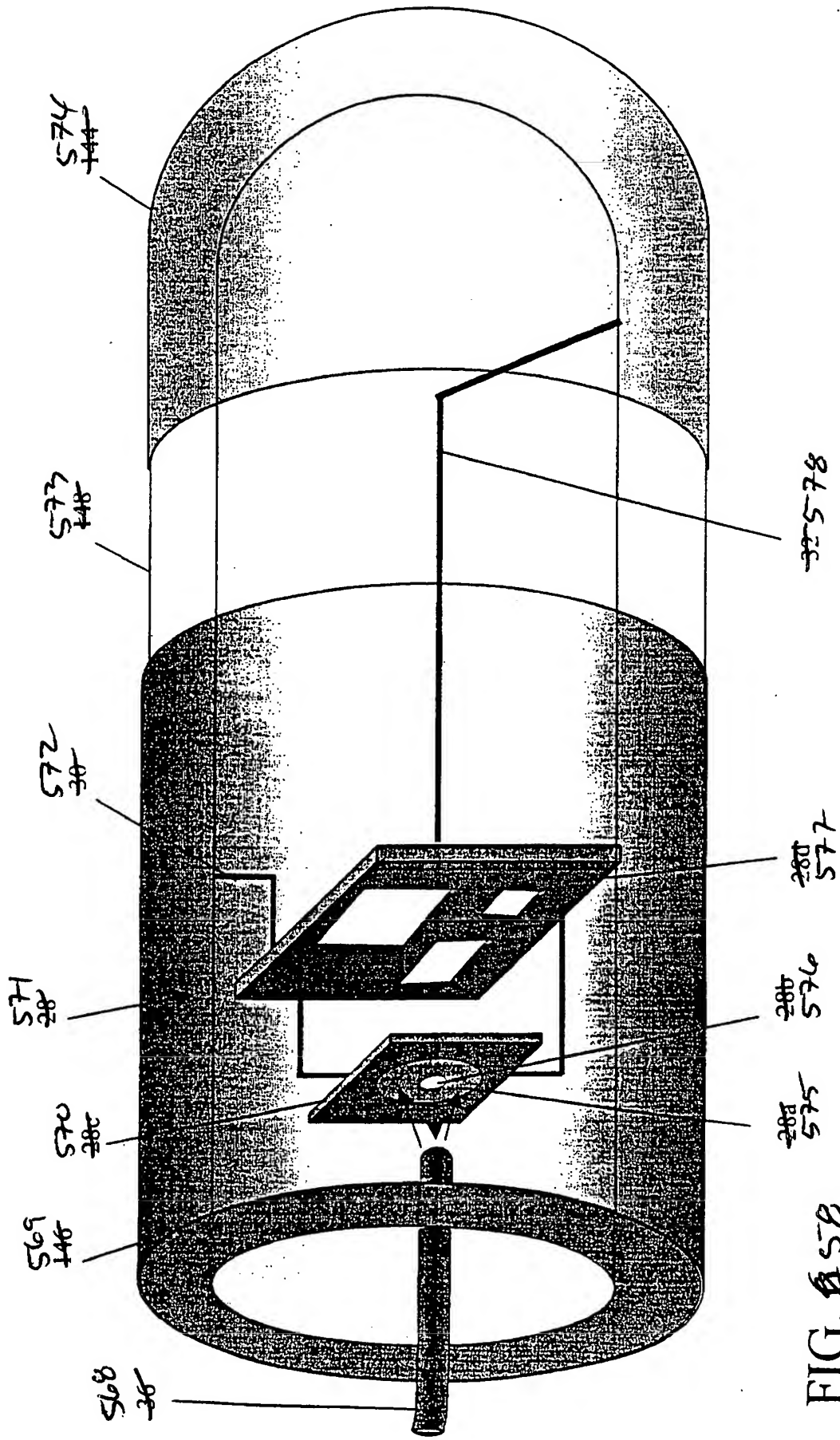


FIG. 58

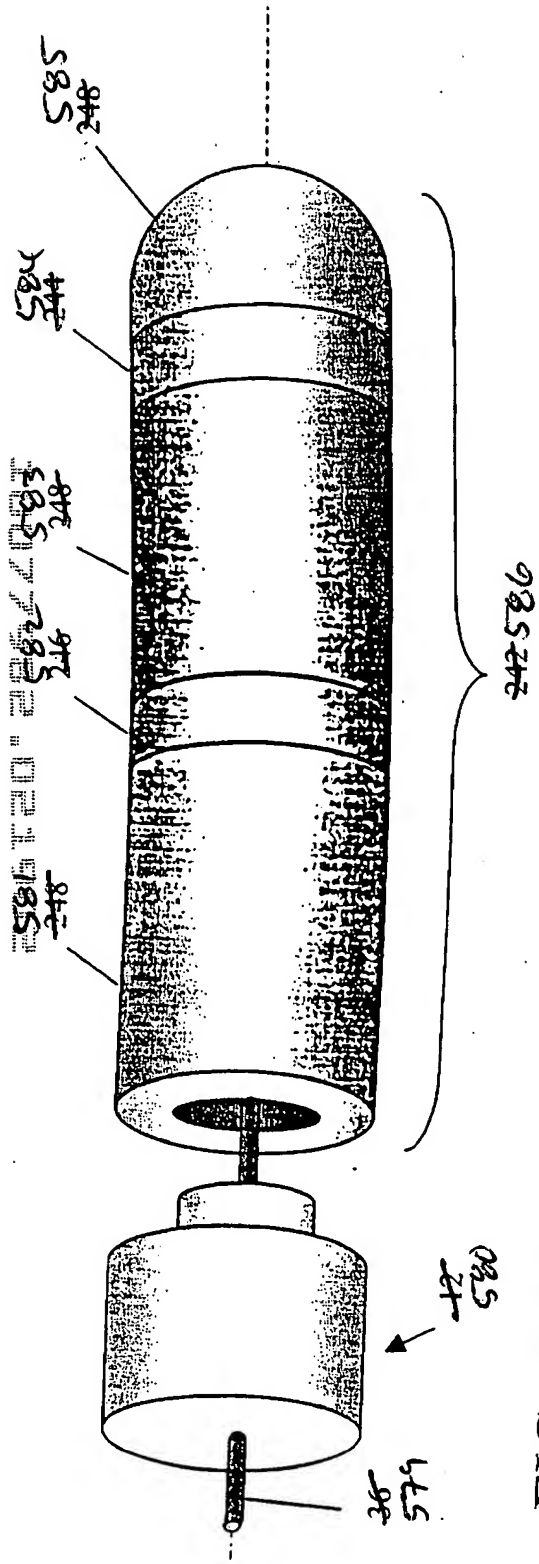


FIG. 259

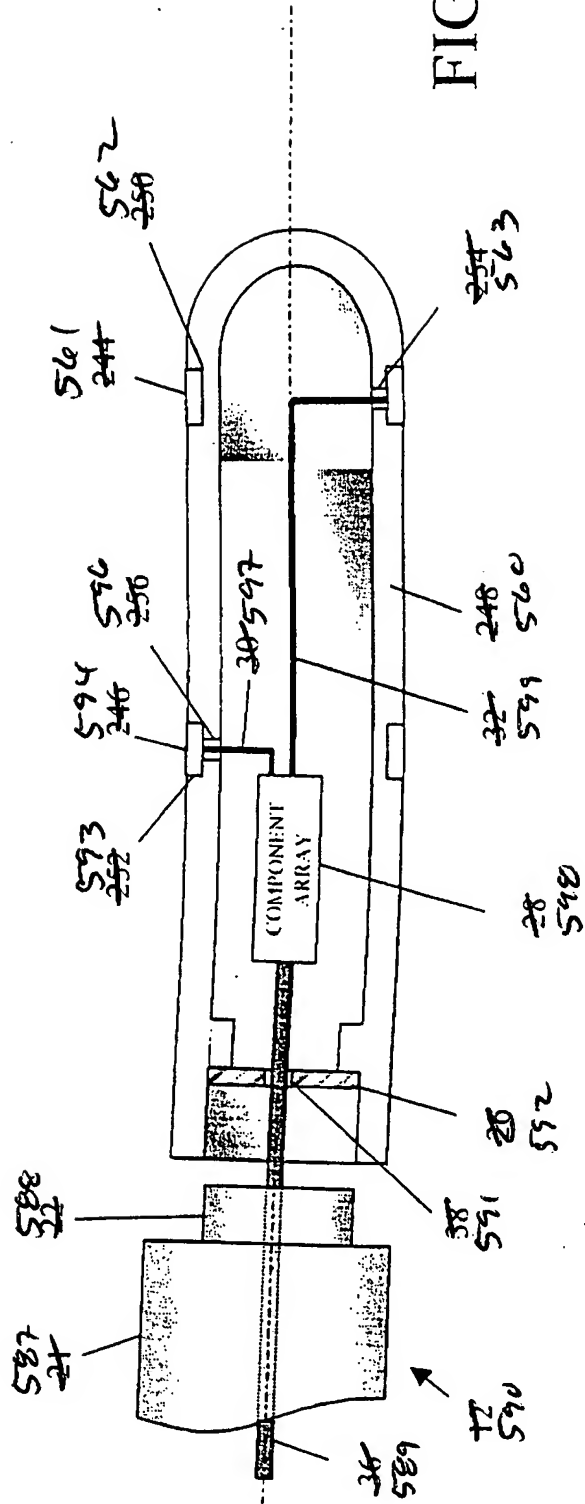


FIG. 260

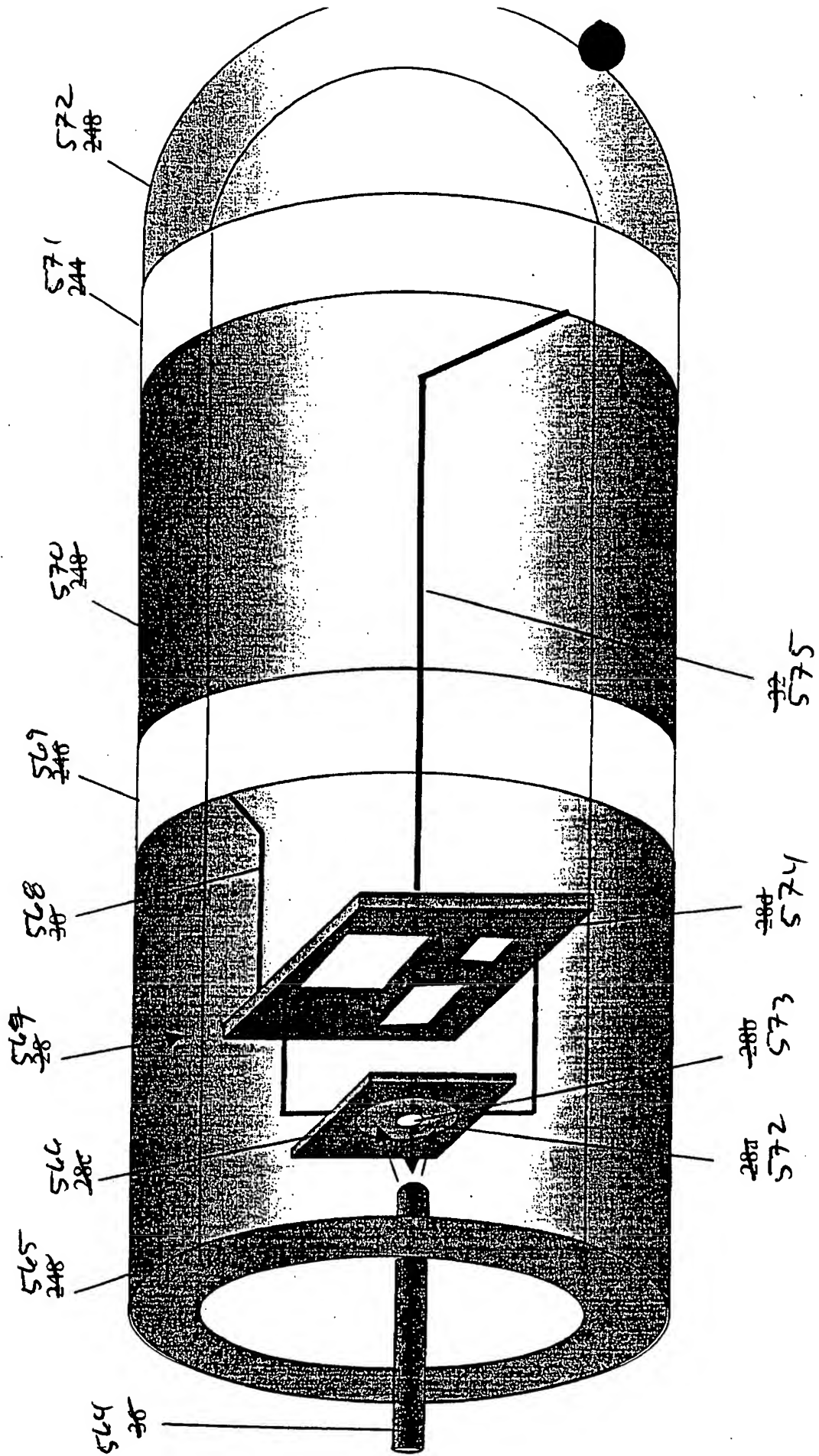


FIG. 261

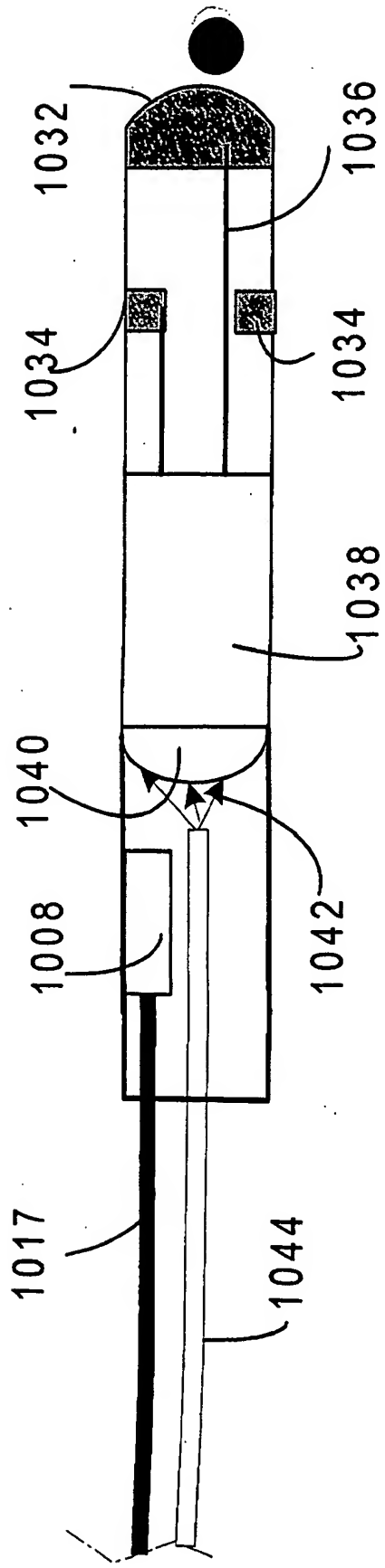


Fig. 10a62

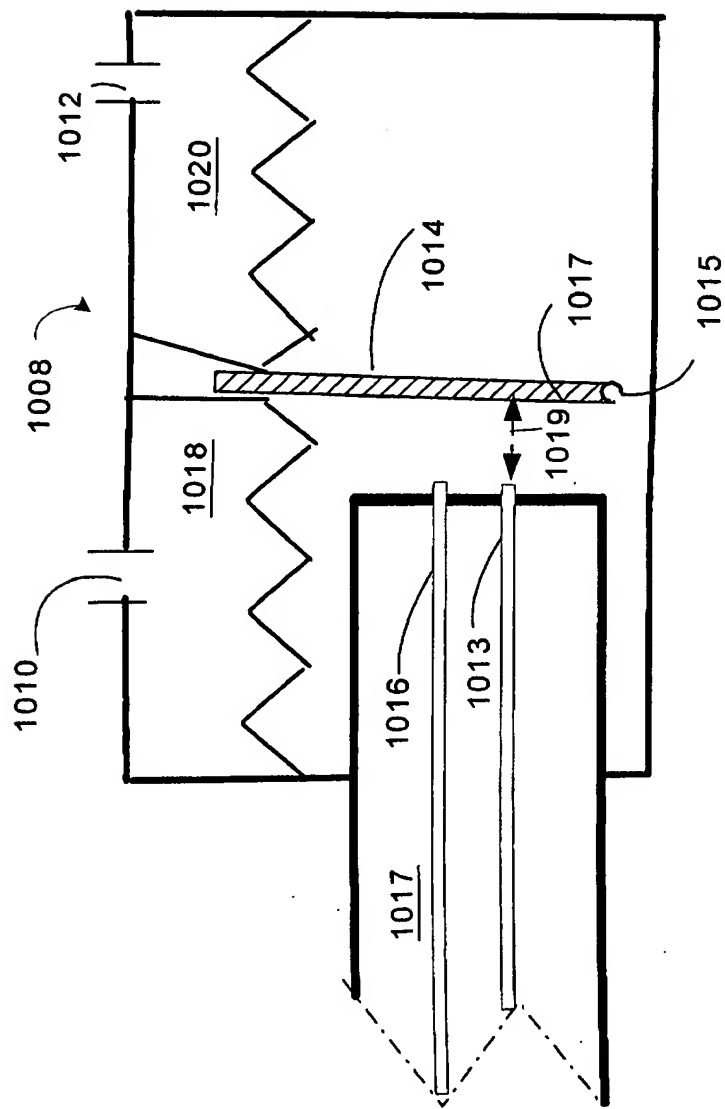


Fig. ~~10b~~ 63

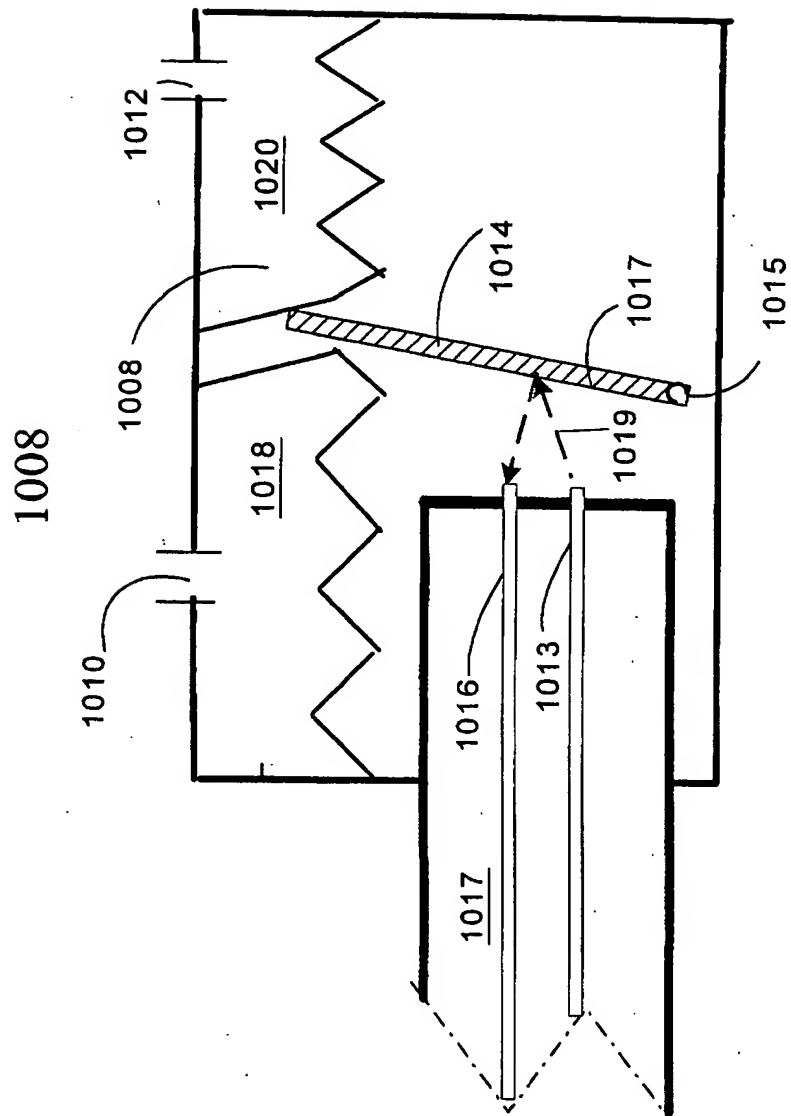
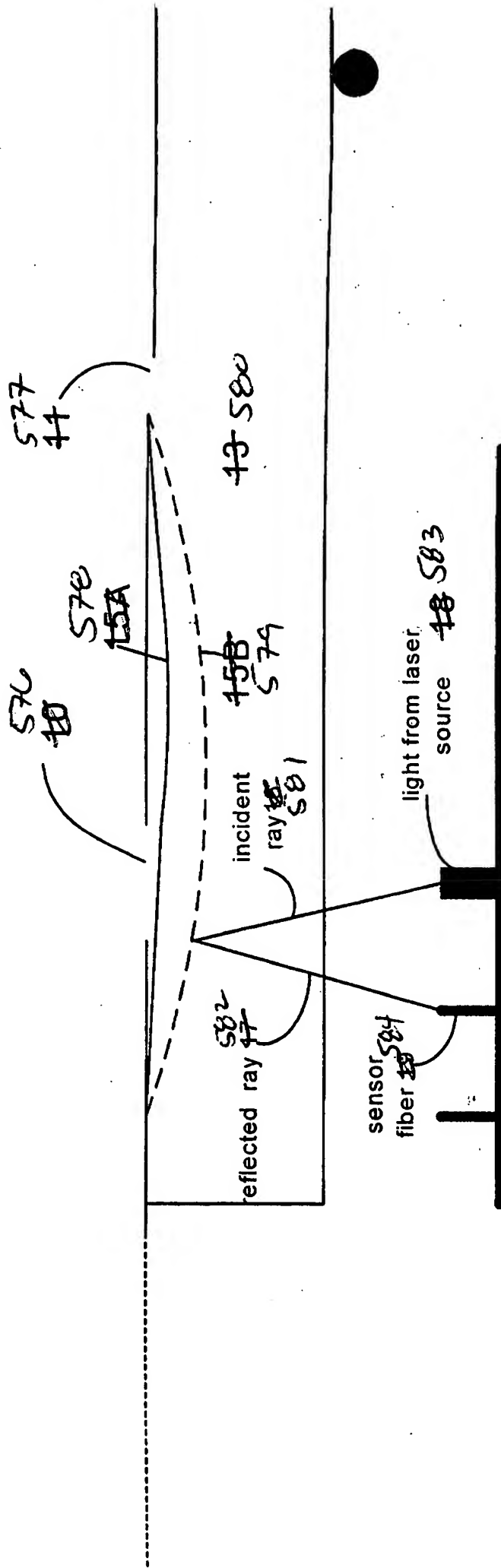


Fig. 10e 64

Figure 65



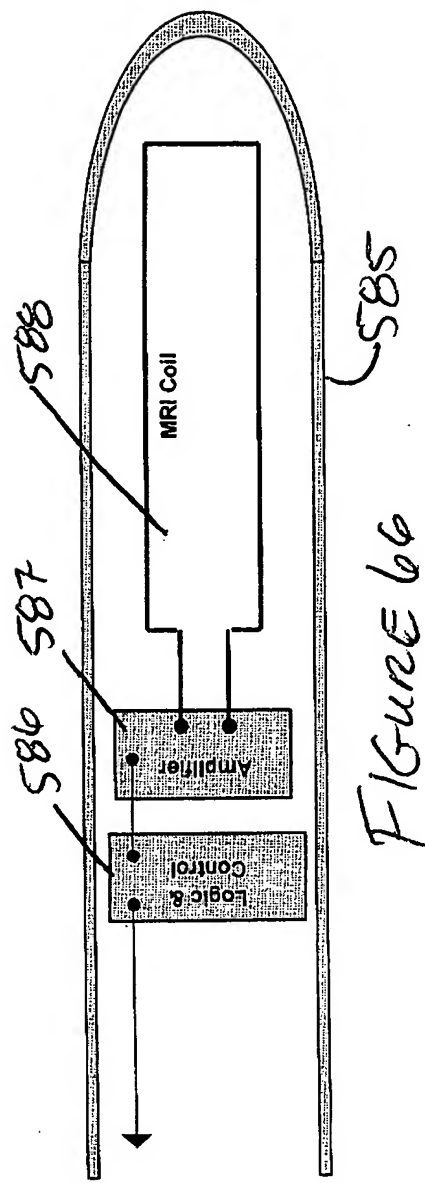


FIGURE 66

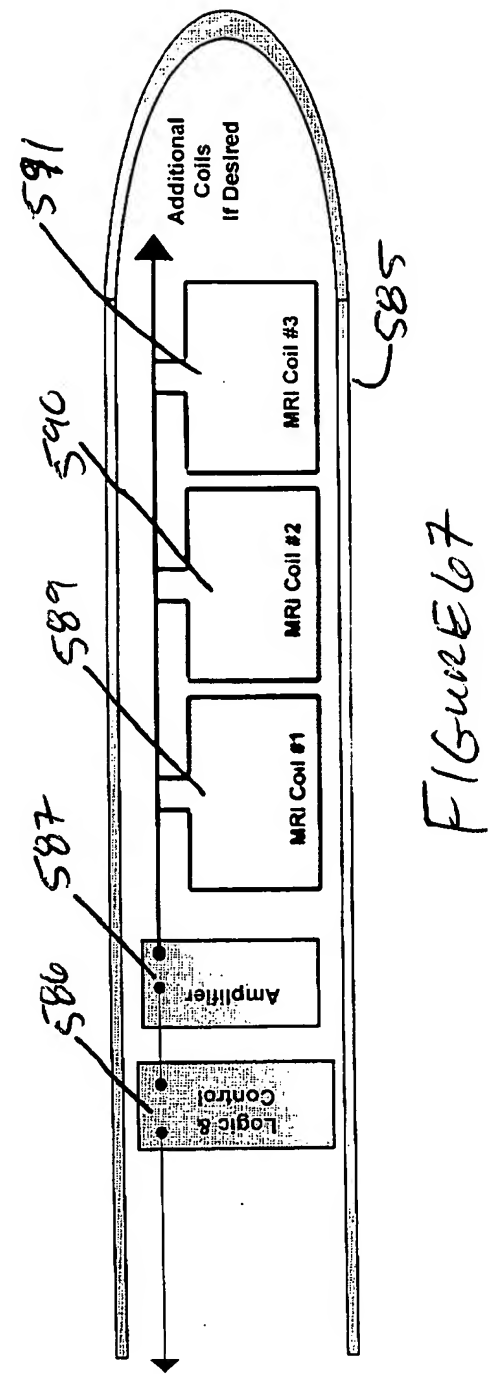


FIGURE 67

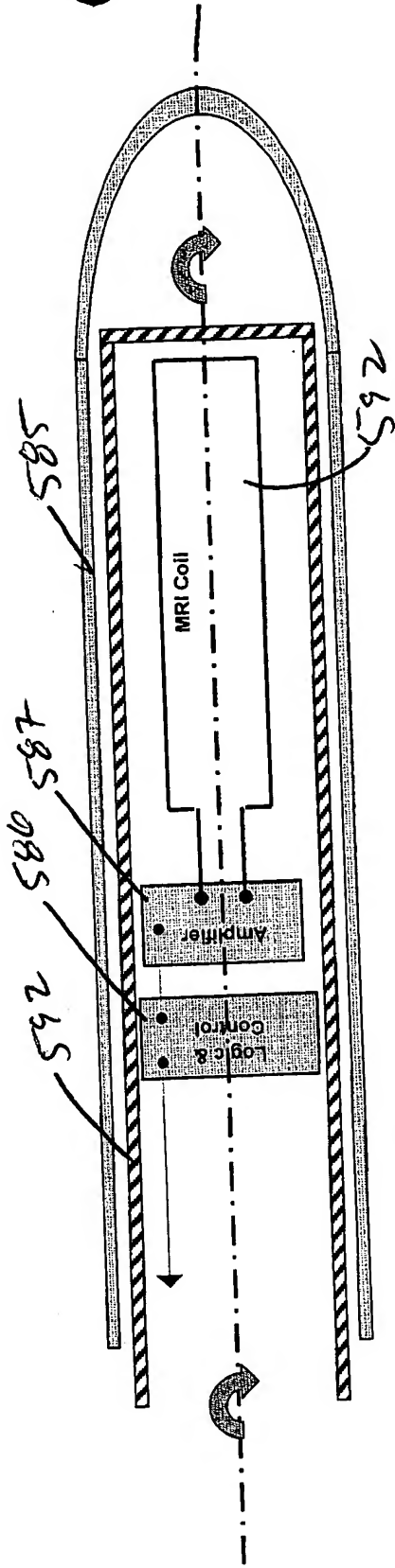


FIGURE 68

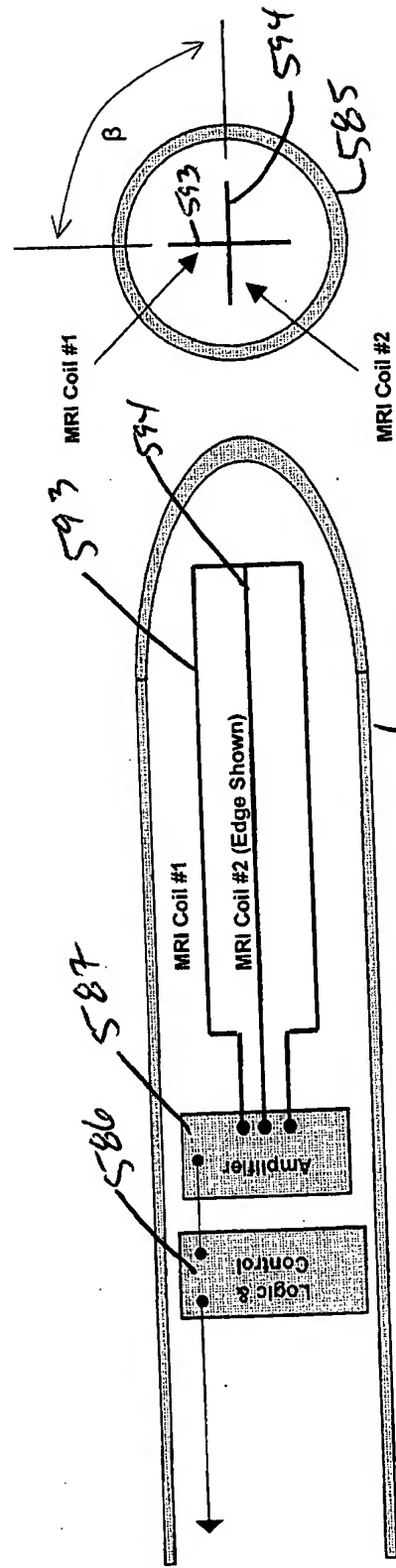


FIGURE 69

Figure 70

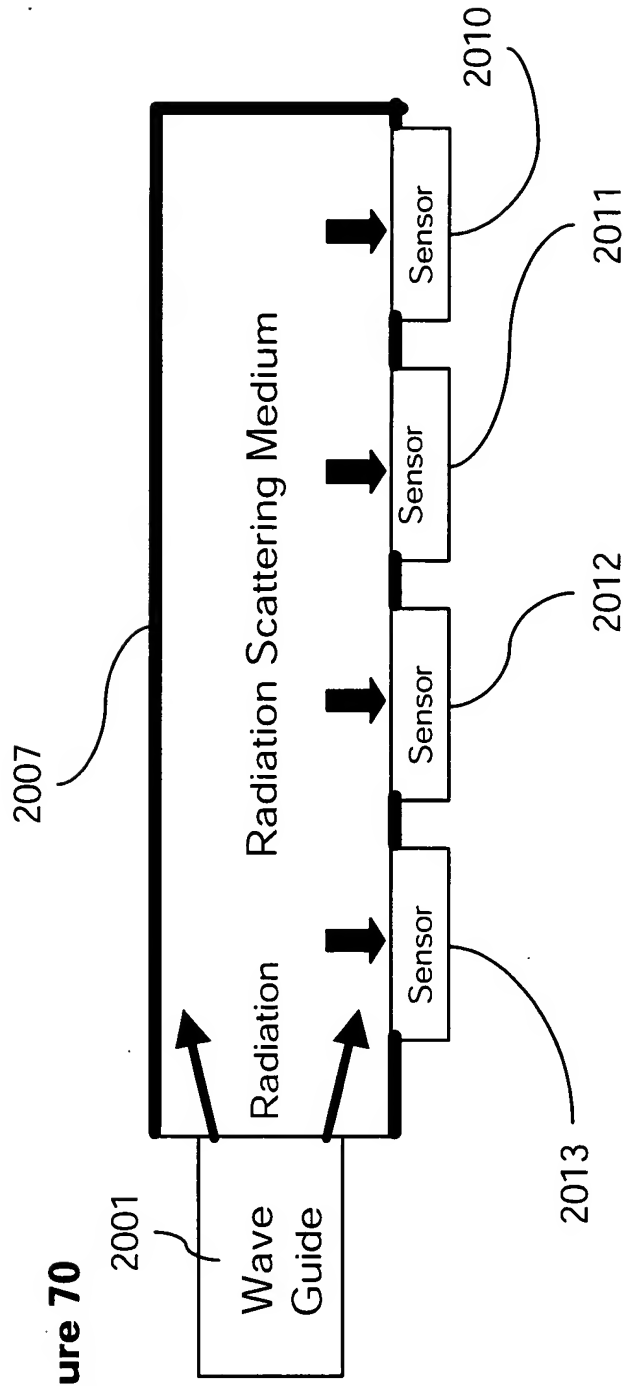


Figure 71

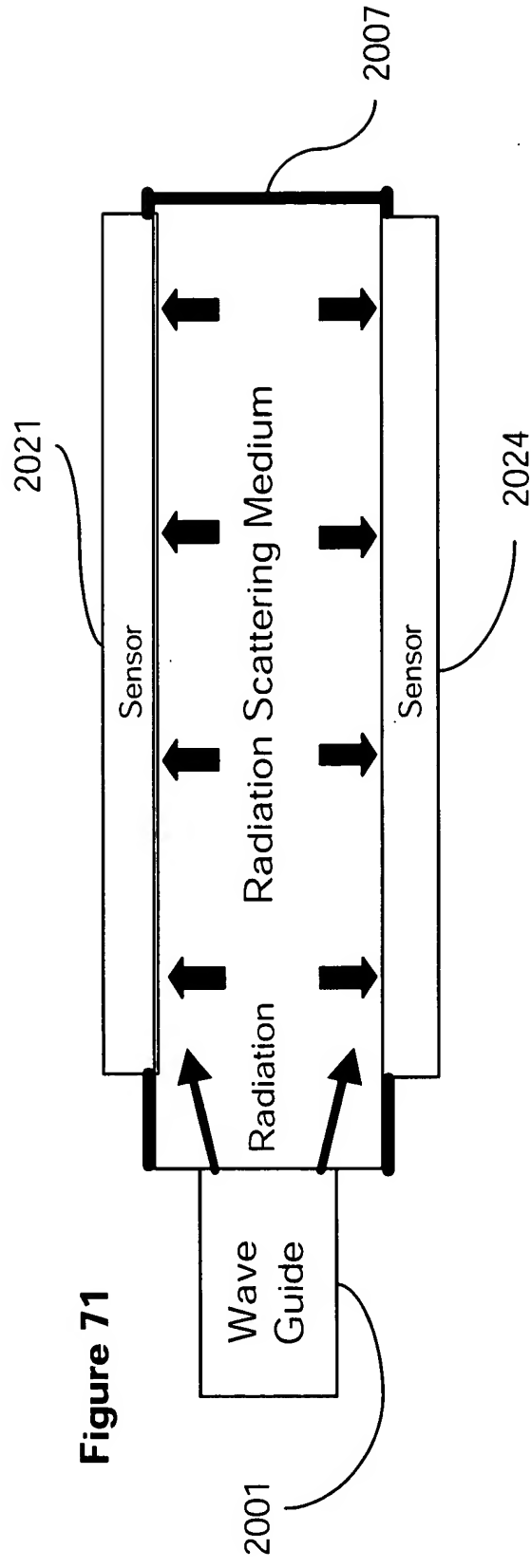


Figure 72

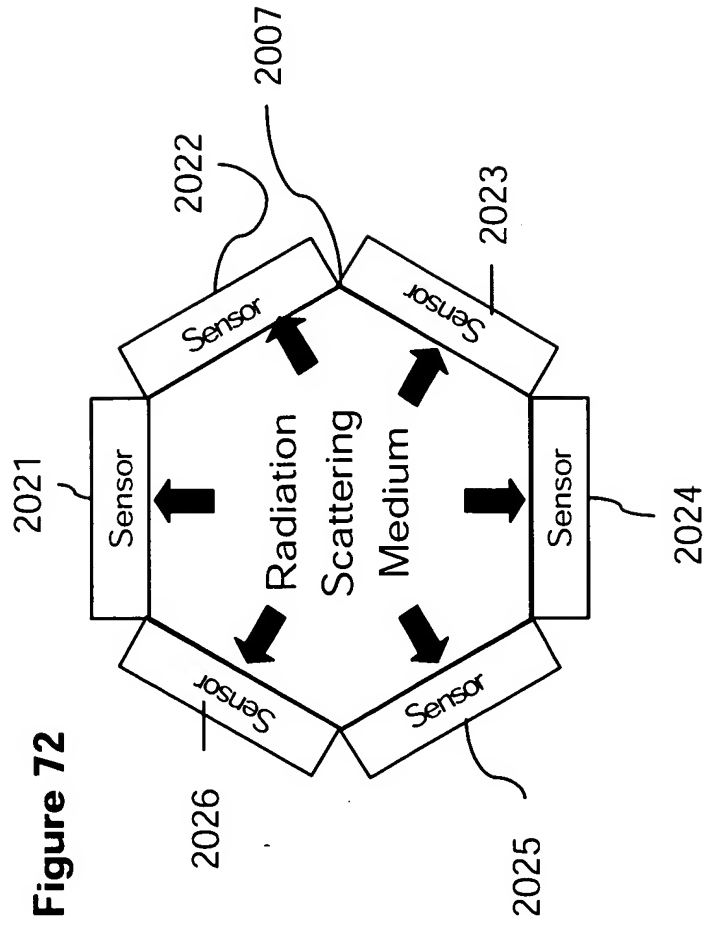


Figure 73

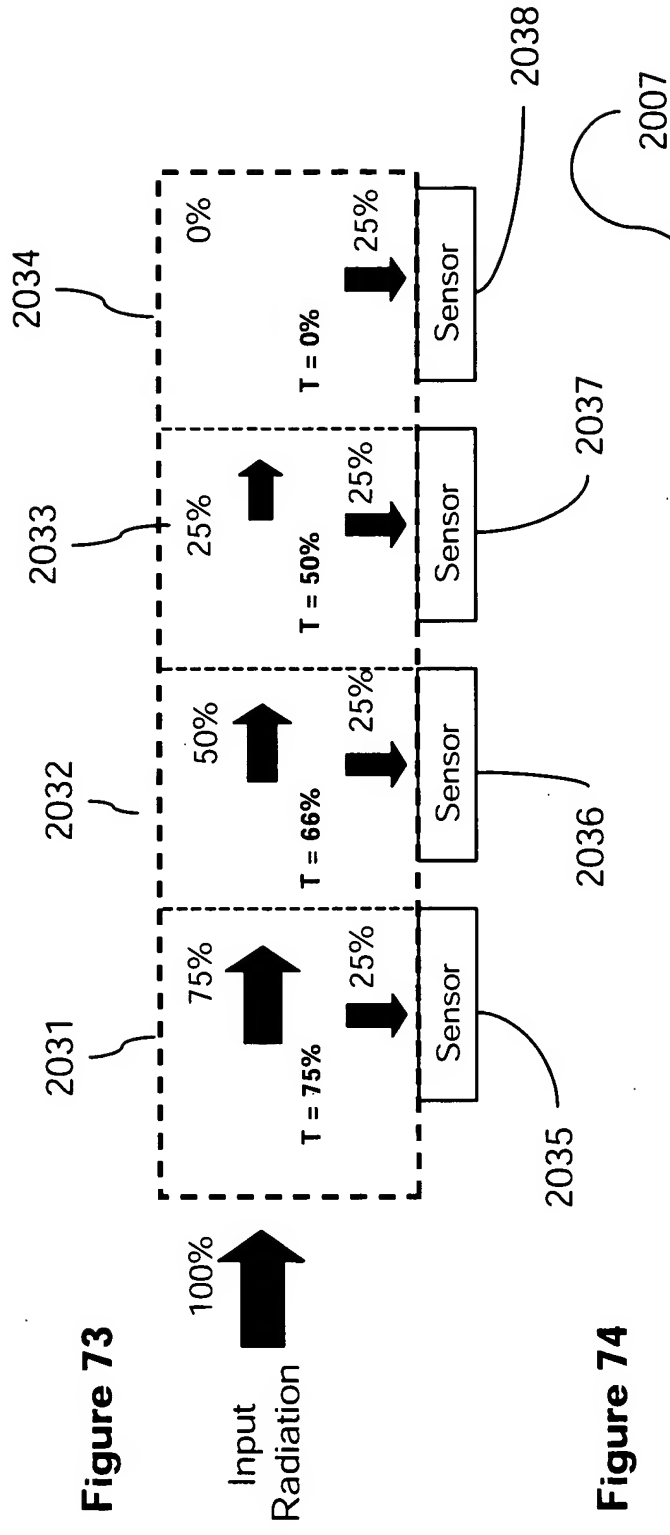
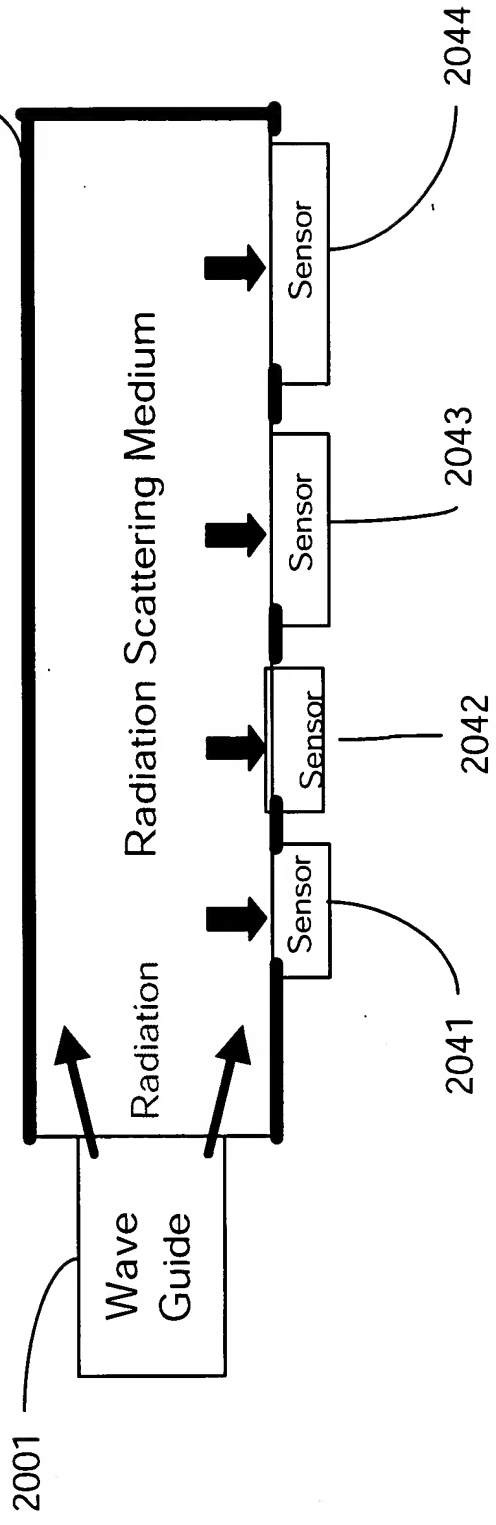


Figure 74



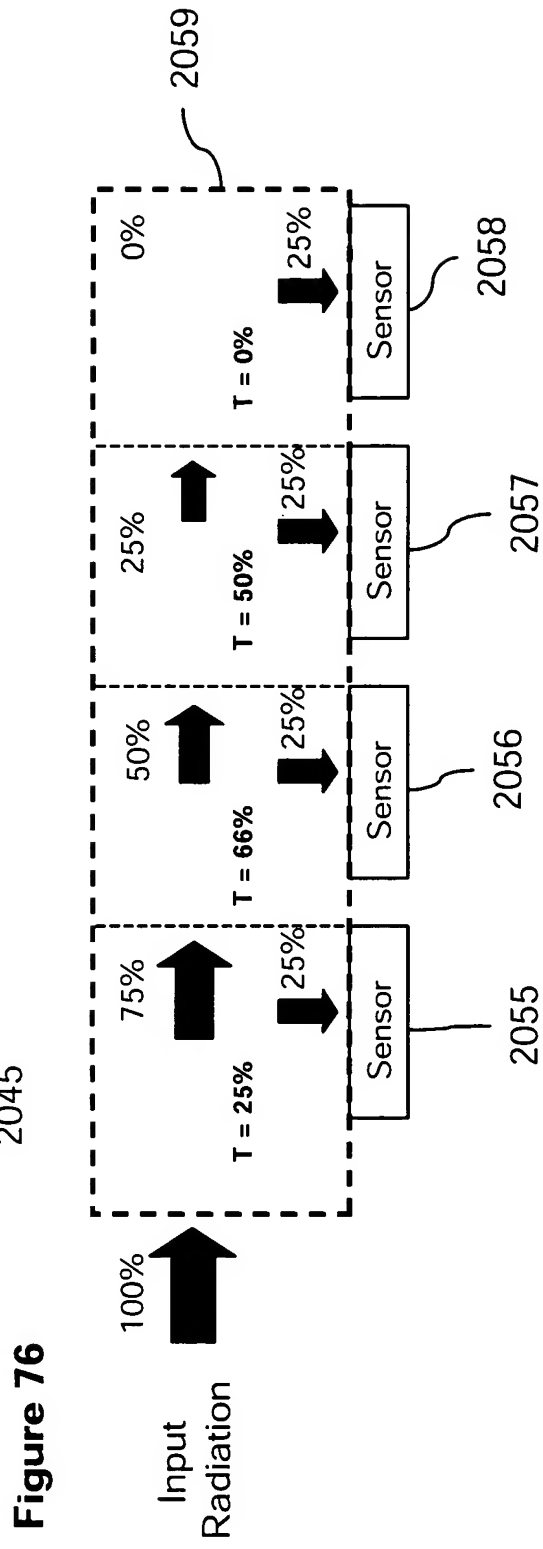
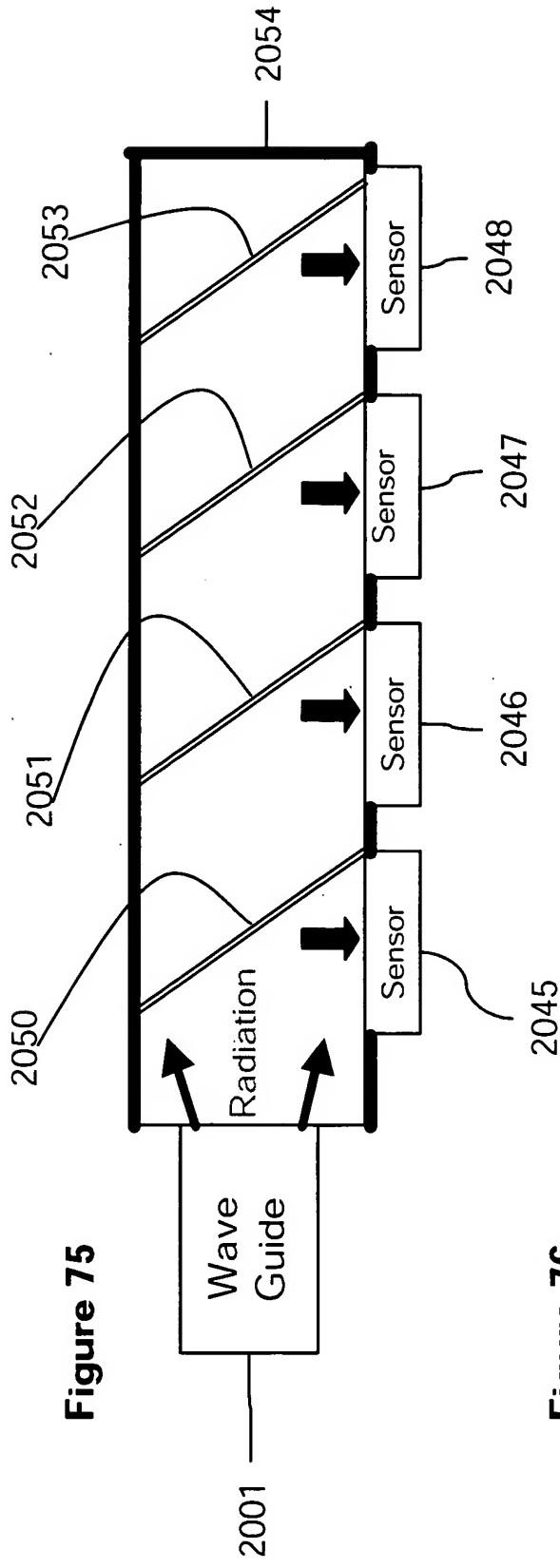


Figure 77

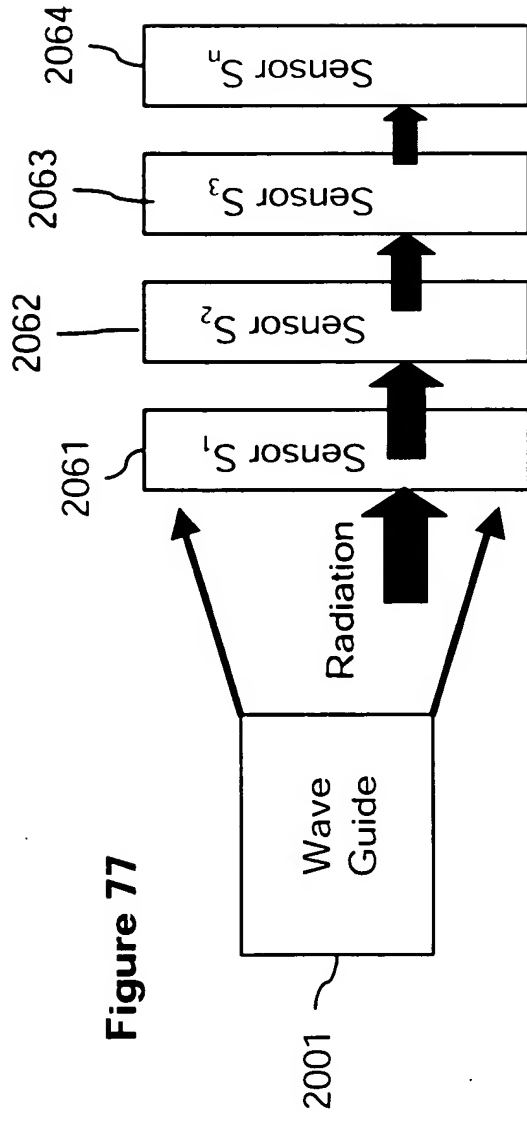


Figure 78

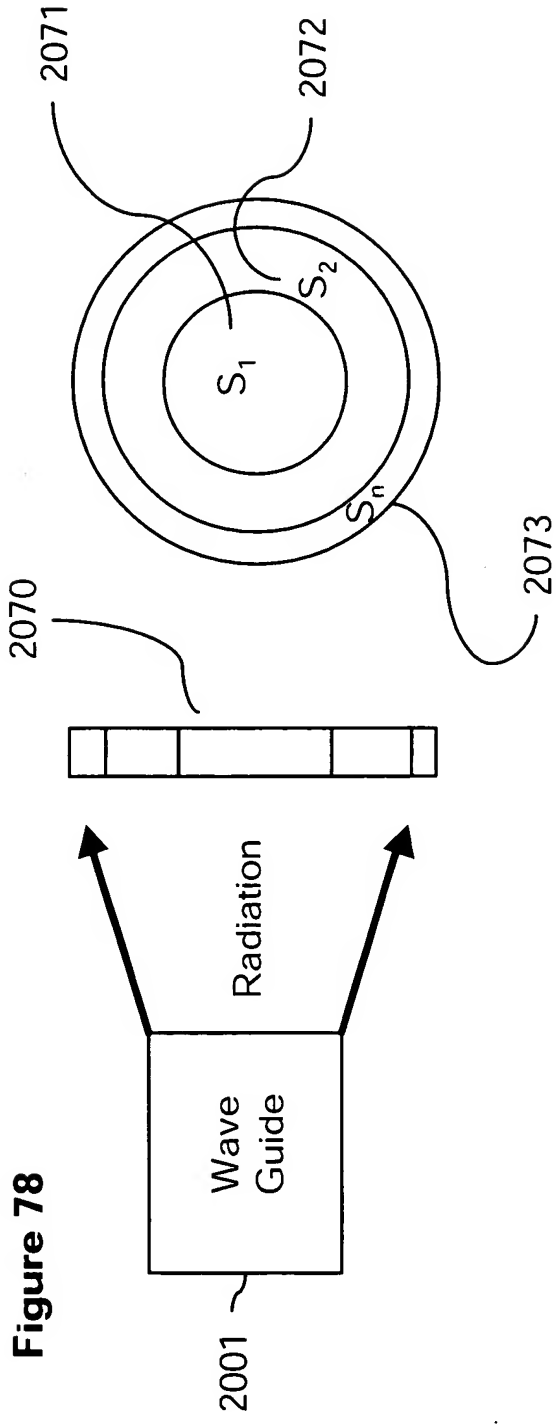
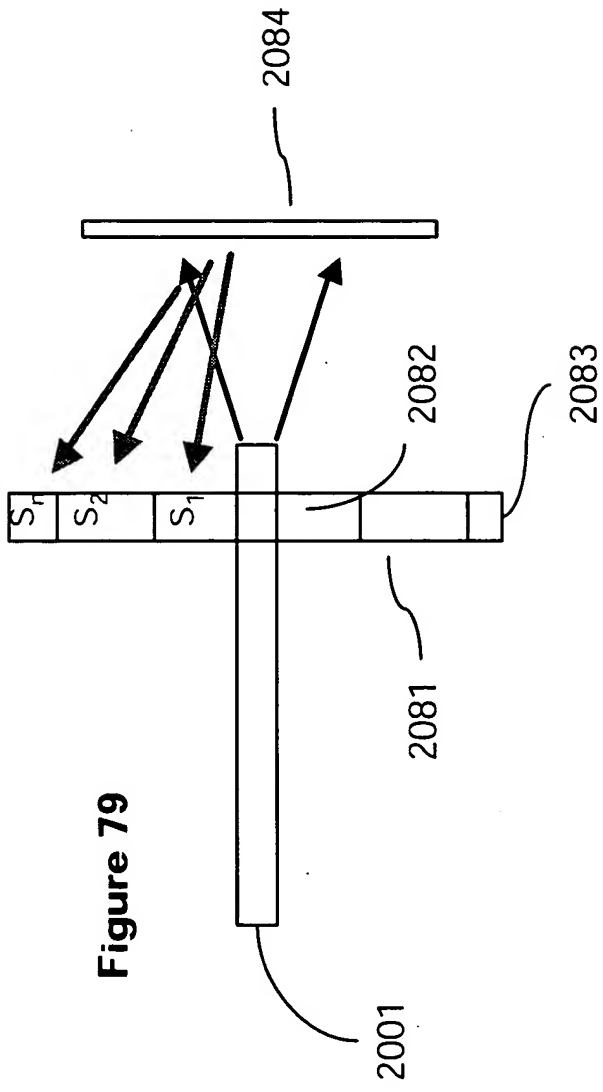


Figure 79



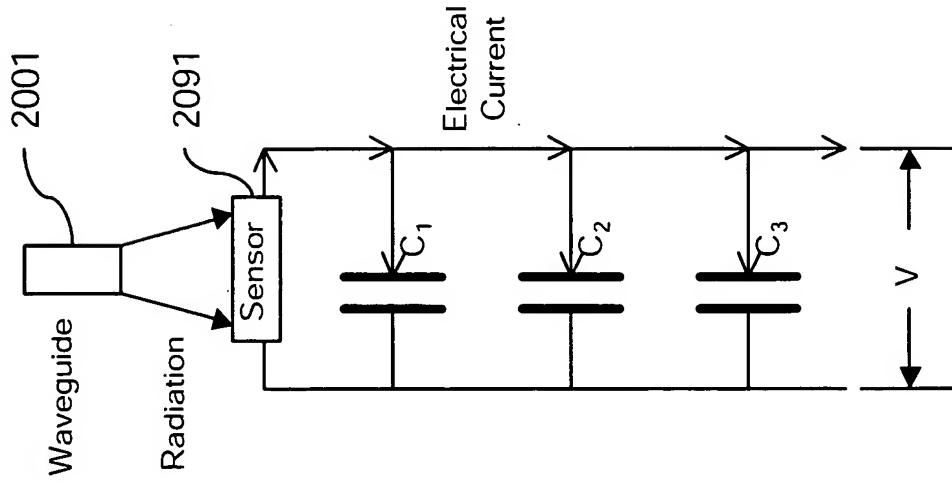


Figure 80

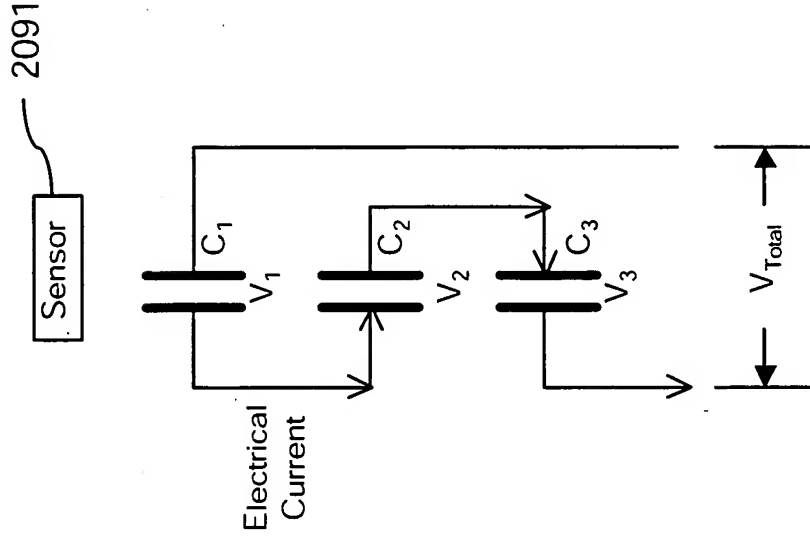


Figure 81

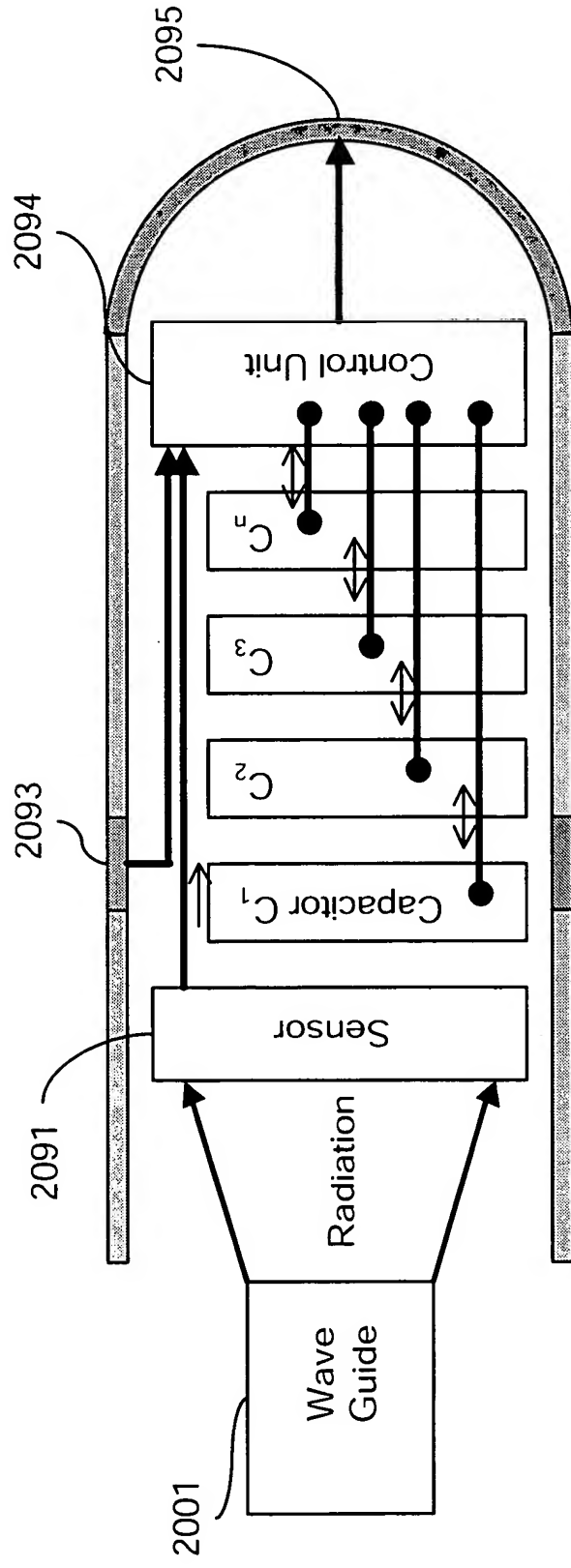


Figure 82

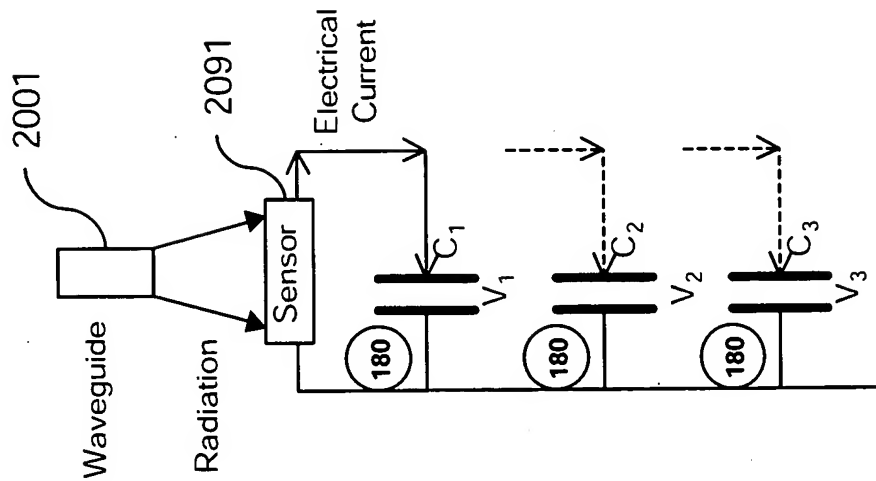


Figure 83

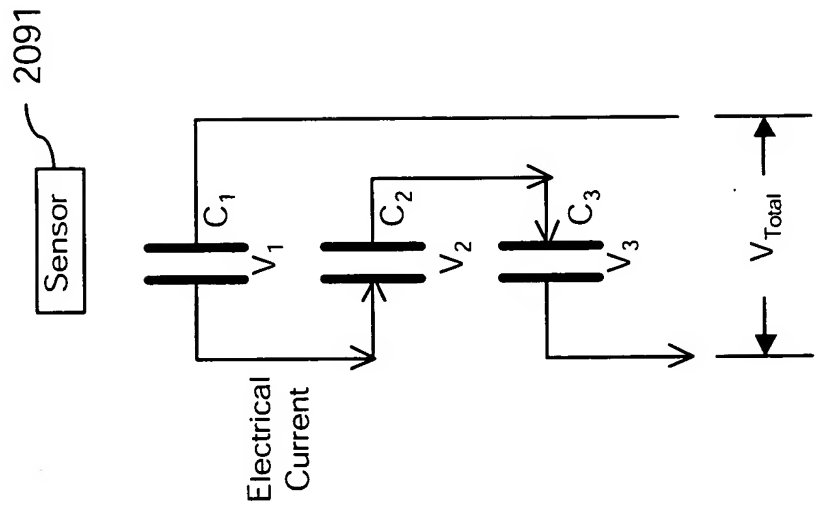


Figure 84

